

4000. Prohibited List

4010. Purpose

(a) In accordance with Rule 3111, the Prohibited List identifies ~~substances and methods that are~~ Prohibited Substances and Prohibited Methods that are (i) prohibited at all times (“Banned Substances and Banned Methods”); and ~~those that are~~ (ii) prohibited for Use or Administration in relation to a Covered Horse during the Race Period and other Restricted Administration Periods, and that are prohibited to be present in a Post-Race Sample ~~or, Claimed Horse Sample, Post-Vets’ List Work Sample, and~~ Post-Work Sample, except as otherwise specified in the Prohibited List (“Controlled Medication Substances and Controlled Medication Methods”). In accordance with the definition of “Race Period” (see Rule 1020), the Prohibited List may specify that, for certain specified Controlled Medication Substances and Controlled Medication Methods, the Race Period shall be shorter or longer in duration.

(b) Prohibited Substances and Prohibited Methods may be included in the Prohibited List by general category (e.g., anabolic steroids) or by specific reference to a particular substance or method. The Prohibited List is supplemented by the “Technical ~~Document—Prohibited~~ Document-Prohibited Substances,” which provides ~~guidance on a non-exhaustive list of~~ the Prohibited Substances that fall into the general categories listed in the Prohibited List and on the Screening Limits, Thresholds, or Detection Times for those Prohibited Substances (as applicable), and also designates certain Prohibited Substances as Specified Substances, which are those that pose a higher risk of being the result of contamination and, therefore, are subject to more flexible sanctions.

(c) Certain Prohibited Substances ~~might also~~ (including Specified Substances) may first be reported as Atypical Findings requiring further investigation before being declared as Adverse Analytical Findings, in accordance with the Atypical Findings Policy set out as Appendix 1 to the Protocol.

(d) The Prohibited List also sets out the periods of Ineligibility applicable to Covered Horses for Anti-Doping Rule Violations and Controlled Medication Rule Violations (see Rule 4300).

4100. Banned Substances and Banned Methods

4110. Banned Substances

Rule 4111. S0 Non-Approved Substances

Any pharmacological substance that (i) is not addressed by Rules 4112 through 4117, and that (ii) has no current approval by any governmental regulatory health authority for veterinary or human use, ~~and/or~~ (iii) is not universally recognized by veterinary regulatory authorities as a valid veterinary use, is prohibited at all times. For the avoidance of doubt, compounded products compliant with the Animal Medicinal Drug Use Clarification Act (AMDUCA) and the FDA Guidance for Industry (GFI) #256 (also known as Compounding Animal Drugs from Bulk Drug Substances) are not prohibited under this section S0.

Rule 4112. S1 Anabolic Agents

The following substances, and other substances with similar chemical structure or similar biological effect(s), are prohibited at all times:

- (a) anabolic androgenic steroids when administered exogenously;
- (b) other anabolic agents, including, but not limited to:
 - (1) Selective Androgen Receptor Modulators (SARMs);
 - (2) Zeranol;

(3) Zilpaterol; and

(4) Ractopamine.

Rule 4113. S2 Peptide Hormones, Growth Factors, Related Substances, and Mimetics

The following substances, and other substances with similar chemical structure or similar biological effect(s), are prohibited at all times:

(a) ~~Erythropoietins~~Erythropoietin (EPO) and agents affecting erythropoiesis, including, but not limited to:

(1) erythropoietin-receptor agonists;

(2) Hypoxia-Inducible Factor (HIF) activating agents;

(3) GATA (Erythroid Transcription Factor) inhibitors;

(4) Transforming Growth Factor-beta (TGF- β) signaling inhibitors; and

(5) innate repair receptor agonists~~;~~;

(b) Peptide Hormones and their releasing factors, including, but not limited to:

(1) Chorionic Gonadotrophin (CG) and Luteinizing Hormone (LH) and their releasing factors in ~~stallions, ridglings, Intact Males~~ and geldings~~;~~ except that human Chorionic Gonadotrophin (hCG) is permitted for the sole purpose of diagnosing cryptorchidism provided that any such administration or use is prohibited within 14 days prior to Post-Time.

(2) corticotrophins (or corticotropins) and their releasing factors~~;~~ excluding ACTH if administered outside the Race Period);

(3) Growth Hormone (GH) and its analogues and fragments; and

(4) Growth Hormone (GH) releasing factors~~;~~ and

(c) Growth factors and growth factor modulators affecting muscle, tendon, or ligament protein synthesis/degradation, vascularization, energy utilization, regenerative capacity, or fiber type switching.

Rule 4114. S3 Beta-2 Agonists

(a) The following substances, and other substances with similar chemical structure or similar biological effect(s), are prohibited at all times: all selective and non-selective beta-2 agonists, including all optical isomers.

(b) Notwithstanding the above, the following are not prohibited under this section S3:

(a1) inhaled beta-2 agonists (e.g., albuterol, salbutamol) when prescribed by a Veterinarian (in the context of a valid veterinarian-patient-client relationship) as a bronchodilator; and

(b2) clenbuterol when prescribed by a Veterinarian (in the context of a valid veterinarian-patient-client relationship) for a duration not to exceed 30 days in a 6-month period and provided that, following administration of clenbuterol, the Covered Horse shall be placed on the Veterinarians' List and shall not be eligible to participate in any Timed and Reported Workout or Covered Horserace until a urine and a blood Sample have been collected from it by or on behalf of the Agency, and analysis by a Laboratory of those Samples does not detect the presence of clenbuterol or its Metabolites or Markers.

Rule 4115. S4 Hormone and Metabolic Modulators

The following substances, and other substances with similar chemical structure or similar biological effect(s), are prohibited at all times:

- (a) aromatase inhibitors;
- (b) anti-estrogenic substances, anti-estrogens, and selective estrogen receptor modulators (SERMS);
- (c) agents preventing activin receptor IIB activation, including, but not limited to, myostatin inhibitors;
- (d) metabolic modulators, including, but not limited to:
 - (1) insulins and insulin-mimetics;
 - (2) meldonium; and
 - (3) trimetazidine; and
- (e) thyroid hormone and thyroid hormone modulators.

Rule 4116. S5 Diuretics and Masking Agents

- (a) Diuretics and masking agents, and other substances with a similar chemical structure or similar biological effect(s), are prohibited at all times.
- (b) Notwithstanding the above, the following are not prohibited under this section S5:
 - (1) drospirenone, pamabrom, and topical ophthalmic administration of carbonic anhydrase inhibitors (e.g., dorzolamide, brinzolamide);
 - (2) trichlormethiazide for treatment of edema;
 - (3) plasma expanders for life-saving procedures; and
 - (4) furosemide (also known as Lasix/Salix), subject to the limitations set out in Rule 4212(d).

Rule 4117. S6 Miscellaneous Substances

The following substances, and other substances with similar chemical structure or similar biological effect(s), are prohibited at all times:

- (a) bisphosphonates (except that bisphosphonates may be administered for the purpose of diagnostic imaging, i.e., gamma scintigraphy);
- (b) toxins (e.g., botulinum toxin, botox);
- (c) venoms of any species, their synthetic analogs, or derivatives thereof;
- ~~(d) altrenogest in stallions, ridglings, or geldings;~~
- (e) pitcher plant extract (Sarapin); and
- (f) perfluorocarbons.

4120. Banned Methods

Rule 4121. M1 Manipulation of Blood and Blood Components

The following are prohibited at all times:

- (a) ~~The~~the Administration or reintroduction of any quantity of autologous, allogenic (homologous), or heterologous blood or red blood cell products of any origin into the circulatory system~~;~~;

(b) ~~Artificially~~artificially enhancing the uptake, transport, or delivery of oxygen, including, but not limited to: perfluorochemicals; efaproxiral (RSR13); and modified haemoglobin products, e.g., haemoglobin-based blood substitutes and microencapsulated haemoglobin products; excluding supplemental oxygen by inhalation~~;~~.

(c) ~~Any~~any form of intravascular manipulation of the blood or blood components by physical or chemical means~~;~~; and

(d) ~~Withdrawal~~withdrawal of blood for any purpose other than for diagnostic/~~Laboratory Testing~~testing procedures.

(e) Notwithstanding the above, ~~manipulation of blood or blood components is~~the following are not prohibited under this section M1:

(1) procedures performed for life-saving purposes; and

(2) use of veterinary regenerative therapies (~~i.e.~~, autologous conditioned serum or platelet-rich plasma) for the treatment of musculoskeletal injury or disease.

Rule 4122. M2 Chemical Castration or Immunocastration

In case of chemical castration or immunocastration, the Covered Horse shall remain designated as an ~~intact male~~Intact Male. Designating a Covered Horse that has had chemical castration or immunocastration as a gelding constitutes Use of a Prohibited Method.

Rule 4123. M3 Gene and Cell Doping

The following, which have the potential to enhance performance or modify the heritable genome, are prohibited at all times:

(a) the use of nucleic acids or nucleic acid analogues that might alter genome sequences or alter gene expression by any mechanism. This includes, but is not limited to, gene editing, gene silencing, and gene transfer technologies;

(b) the use of normal or genetically modified cells; and

(c) modification of the heritable genome.

4200. Controlled Medication Substances and Controlled Medication Methods

4210. Controlled Medication Substances

Rule 4211. S7 Controlled Medication Substances

(a) Subject to Rule 4212, only feed, hay, and water are permitted during the Race Period. Accordingly, subject to Rule 4212, any substance administered during the Race Period or present in a Post-Race Sample (including any ~~metabolite(s)~~Metabolite, artifact~~(s)~~, and/or isomer~~(s)~~ of such substance(s)) that does not otherwise qualify as a Banned Substance shall constitute a prohibited Controlled Medication Substance.

(b) All Controlled Medication Substances are prohibited to be present in a Post-Race Sample and Claimed Horse Sample. No Controlled Medication Substance may be Used on or Administered to a Covered Horse during the Race Period, except as otherwise specified in the Prohibited List.

(c) All Controlled Medication Substances other than furosemide (also known as Lasix or Salix) are prohibited to be present in a Post-Vets' List Work Sample.

(d) The following Controlled Medication Substances are prohibited ~~from presence~~to be present in a Post-Work Sample:

- (1) analgesics;
- (2) Nonsteroidal Anti-Inflammatory Drugs (NSAIDs);
- (3) local anesthetics; and
- (4) corticosteroids.

(ee) S7 Controlled Medication Substances exclude those substances that fall under section S0 ([Non-Approved Substances](#)), which are Banned Substances.

Rule 4212. Exceptions to Rule 4211

(a) Medications administered or authorized by a Regulatory Veterinarian or Test Barn Veterinarian to provide medical care to a Covered Horse as a result of an injury sustained, ~~(or other adverse health event.)~~ during the Race Period (or by another Veterinarian in circumstances where there is an imminent risk to horse welfare, health, or safety) are not prohibited, provided that the Covered Horse does not subsequently participate in the Covered Horserace during that Race Period.

(b) The following may be administered up to 24 hours prior to Post-Time:

- (1) orally administered vitamins;
- (2) licensed vaccines against infectious agents;
- (3) the following anti-ulcer medications ~~(e.g., Cimetidine, Dexlansoprazole, Esomeprazole, Famotidine, Lansoprazole, Omeprazole, and Ranitidine)~~ Pantoprazole, Rabeprazole, or Sucralfate;
- (4) electrolytes by top-dressing on feed or by oral administration, and unsupplemented isotonic ~~electrolyte solutions by oral or fluids by~~ intravenous administration;
- (5) altrenogest in ~~female horses~~ fillies and mares;
- (6) antimicrobials (antibiotics) and other anti-infective agents, excluding procaine penicillin or other antimicrobial/anti-infective agents containing or metabolizing to Prohibited Substances; and
- (7) ~~antiparasitic/anthelmintics~~ anti-parasitics approved and registered for use in horses, excluding levamisole ~~or other antiparasitic/anthelmintics~~ and any other anti-parasitic metabolizing to or containing other Prohibited Substances.

~~(c) Unsupplemented isotonic electrolyte solutions may be consumed by the horse's free choice at any time (but may not be administered except as provided in paragraph (b) above).~~ Salt and mineral blocks may be made available to a horse at any time.

(d) Furosemide (also known as Lasix or Salix):

- (1) is permitted during Timed and Reported Workouts and Vets' List Workouts; and
- (2) may be administered to Covered Horses aged 3 or older during the Race Period (provided that they are not participating in a Stakes Race) in accordance with specific provisions of the Act and any guidance or exceptions approved by the Authority, but shall in any event not be administered within ~~the~~ 4 hours prior to Post-Time.

(e) The Use or Administration of supplements or feed additives during the Race Period shall not be prohibited if the Responsible Person or Covered Person establishes, or the Agency expressly accepts, that such substances are not capable at any time of causing an action or effect, or both an action and effect, within one or more of the following mammalian body systems:

- (1) the blood system;
- (2) the urinary system;

- (3) the cardiovascular system;
- (4) the digestive system;
- (5) the endocrine system;
- (6) the immune system;
- (7) the musculoskeletal system;
- (8) the nervous system;
- (9) the reproductive system; or
- (10) the respiratory system.

4220. Controlled Medication ~~Method(s)~~Methods

~~In~~The Controlled Medication Methods below are separate, and apply in addition, to any practice prohibited ~~practices set forth in~~by the Rule 2000 Series (Racetrack Safety Program):.

Rule 4221. M4 Alkalinization or Use/Administration of an Alkalinizing Agent

Alkalinization or Use/Administration of an alkalinizing agent is prohibited ~~on~~during the Race Day Period. A threshold concentration of total carbon dioxide (TCO₂) in the blood in excess of 37 mmol constitutes prima facie evidence of alkalinization or Use/Administration of an alkalinizing agent.

Rule 4222. M5 ~~Intra-Articular Injections~~

~~Intra-articular injections are prohibited on Race Day; within 14 days prior to Post-Time; and within 7 days prior to any Timed and Reported Workout.~~

~~Rule 4223. M6 Nasogastric Tube~~

The use of a nasogastric tube for any purpose is prohibited ~~within 24 hours prior to Post-Time~~during the Race Period.

~~Rule 4224. M7 Intra-Articular Injections of Polyacrylamide Hydrogels~~

~~Intra-articular injections of polyacrylamide hydrogels are prohibited within 180 days prior to Post-Time.~~

Rule ~~4225~~4230. Modification of the Race Period

~~The start of the "Race Period" shall be modified for each of the Controlled Medication Methods above (i.e., each of M4-M7) based on the restricted administration time period specified for such method (e.g., the Race Period for M7 shall start 180 days prior to Post-Time).~~

If the Prohibited List specifies that a Controlled Medication Substance or Controlled Medication Method is prohibited during an interval related to a Covered Horserace that is shorter or longer in duration than the Race Period (as defined in Rule 1020), the "Race Period" for each such Controlled Medication Substance or Controlled Medication Method shall be modified accordingly (e.g., the start of the Race Period for S7 Controlled Medication Substances listed at Rule 4212(b) shall be shortened to commence 24 hours prior to Post-Time). However, the Race Period shall not be lengthened for purposes of Rule 4211(a).

4300. Ineligibility Periods for Covered ~~Horse~~Horses

4310. Violations Involving Prohibited Substances

The period of Ineligibility of a Covered Horse resulting from a violation involving a Prohibited Substance shall be as set forth in Table 1 below:

Table 1	
Violation	<u>Period of Ineligibility</u> period
S0 BANNED Substances-non-approved substances	Up to 14 <u>2</u> months
S1 BANNED Substances-anabolic agents	14 months
S2 BANNED Substances-peptide hormones	6 months
S3 BANNED Substances-beta-2 agonists	14 months
S4 BANNED Substances-hormone and metabolic modulators	3 months
S5 BANNED Substances-diuretics and masking agents	0 months
S6 BANNED Substances-miscellaneous substances:	
(1) Bisphosphonates	Life <u>14 months</u>
(2) All other S6 miscellaneous substances	0 months -
S7 CONTROLLED Medication Substances	<u>0 months, except in circumstances where the Covered Horse is the subject of a violation involving 3 or more Controlled Medication Substances, in which case the period of Ineligibility shall be 45 days.</u> 0 months- The Covered Horse may be placed on the Veterinarians' List, and if so, a subsequent Vets' List Workout must be scheduled. A post-Vets <u>Post-Vets</u> ' List Workout <u>Work</u> Sample may be required.

4320. Violations Involving Prohibited Methods

The period of Ineligibility of a Covered Horse resulting from a violation involving a Prohibited Method shall be as set forth in Table 2 below:

Table 2	
Violation	<u>Period of Ineligibility</u> period
M1 Manipulation of blood and blood components	6 months -
M2 Chemical castration or immunocastration	0 months -
M3 Gene and cell doping	Life -
M4 Alkalinization	0 months -
M5 Intra-articular injection	1 month-
M6 <u>M5</u> Nasogastric tube	0 months -

Table 2	
Violation	<u>Period of Ineligibility</u> period
M7 Intra-articular injection of polyacrylamide hydrogel	12 months.

4330. Other Violations Leading to a Period of Ineligibility for the Covered Horse

The period of Ineligibility of a Covered Horse resulting from a violation of Rule 3215 shall be as set forth in Table 3 below:

Table 3	
Violation	<u>Period of Ineligibility</u> period
Evading collection of a Sample from a Covered Horse; <u>or</u> refusing or failing without compelling justification to submit a Covered Horse to Sample collection; or refusing or failing to comply with all Sample collection procedure requirements- (Rule 3215). ₂	<i>Evasion:</i> 18 months. <i>Refusal or failure to submit to Sample collection:</i> 18 months, unless it is established by the Responsible Person that fairness requires otherwise, in which case the period of Ineligibility <u>for the Covered Horse</u> may be reduced, depending on the specific circumstances of the case and considerations of horse welfare.
<u>The injection or Attempted injection of any substance to any site of a Covered Horse's body during the Race Period (Rule 3216(e))</u>	<u>1 month; and</u> <u>If the violation is discovered during the Race Period prior to a Covered Horserace, the Covered Horse shall be scratched from that Covered Horserace and subject to an immediate Provisional Suspension; and</u> <u>If it is subsequently determined that the injection contained a Banned Substance, the Covered Horse shall be subject to the period of Ineligibility applicable to that Banned Substance, less any time served for the injection violation.</u>

Appendix 1 to Rule Series 4000: Technical ~~Document—Prohibited~~Document-Prohibited Substances

HISA listed as	HISA status	Penalty subclassification (specified substances Specified <u>Substances</u> are designated with “x”)	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
BANNED	S1		Δ -1-androstene-3, 17diol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Δ -1-androstene-3, 17dione	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Δ -1-dihydrotestosterone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		19-Norandrostenediol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		19-Norandrostenedione	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		19-Noretiocholanolone	Anabolic	Lacks FDA approval		
BANNED	S1		1-androstenediol (5 α androst-1-ene-3 β , 17 β diol)	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		1-androstenedione (5 α androst-1-ene-3, 17dione)	Anabolic	Lacks FDA approval. DEA Schedule III		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S1		1-testosterone (17 β hydroxy-5 α -androst-1en-3-one)	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		2-Aminoheptane (Tuaminoheptane)	Sympathomimetic/Vasoconstrictor	Lacks FDA approval		
BANNED	S4		2-androstenol(5 α -androstane-2-en-17-ol)	Pheromone/Reproductive Hormone	Lacks FDA approval		
BANNED	S4		2-androstenone (5 α -androst-2-en-17-one)	Pheromone/Reproductive Hormone	Lacks FDA approval		
BANNED	S0		3,4-methylenedioxypropylamphetamine (MDVP)	Stimulant	Lacks FDA approval		
BANNED	S4		3-androstenol (5 α -androst-3-en-17-ol)	Pheromone/Reproductive Hormone	Lacks FDA approval		
BANNED	S4		3-androstenone (5 α -androst-3-en-17-one)	Pheromone/Reproductive Hormone	Lacks FDA approval		
BANNED	S4		4-androstenediol (androst-4-ene-3 β ,17 β diol)	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S4		4-chloromethatandienone	Anabolic	Lacks FDA approval. DEA Schedule III		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S1		4-Hydroxytestosterone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S4		5-androstenedione (androst-5-ene-3,17dione)	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		5 α -Andros-2-ene-17one	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		5 α -Androstane-3 α , 17 α -diol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		5 α -Androstane-3 α , 17 β -diol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		5 α -Androstane-3 β , 17 α -diol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		5 α -Androstane-3 β , 17 β -diol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		5 β -androstane-3 α , 17 β diol, androst-4-ene3 α ,17 α -diol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		7-keto-dhea	Anabolic			
BANNED	S1		7 α -hydroxy-dhea	Anabolic			

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
BANNED	S1		7β-hydroxy-dhea	Anabolic			
BANNED	S5		Acebutolol	Antihypertensive	Generic		
BANNED	S0		Acecarbromal	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Acefylline	Bronchodilator	Lacks FDA approval		
BANNED	S0		Acemetacin	NSAID	Lacks FDA approval		
BANNED	S0		Acenocoumarol	Anticoagulant	Lacks FDA approval		
CONTROLLED	S7	B	Acepromazine	Sedative	PromAce, Aceproject	Detection Time: 72 hrs 0.15 mg/kg single oral dose (6 horses). Detection Time: 48 hrs 0.05 mg/kg single IV dose (20 horses)	10 ng/mL as 2-(1-hydroxyethyl) promazine sulfoxide (HEPS) in urine; 0.02 ng/mL in serum or plasma.
CONTROLLED	S7	C	Acetaminophen (Paracetamol)	NSAID	Tylenol		

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BANNED	S0		Acetanilide	NSAID	Lacks FDA approval		
BANNED	S5		Acetazolamide	Carbonic Anhydrase Inhibitor	Generic		
BANNED	S0		Acetohexamide	Insulin secretion	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Acetophenazine	Antipsychotic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Acetophenetidin (Phenacetin)	NSAID	Lacks FDA approval		
CONTROLLED	S7	C	Acetylcysteine	Mucolytic	Mucomyst, Parvolex		
BANNED	S0		Acetylmorphine	Opioid Analgesic	Lacks FDA approval		
CONTROLLED	S7	C	Acetylsalicylic acid (Aspirin)	NSAID	Generic		
BANNED	S0		Acidinium bromide	Bronchodilator	Tudorza Pressair; Dualkir Pressair (with		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening Limit*
					formoterol)		
BANNED	S0		Adinazolam	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Adiphenine	Antispasmodic	Lacks FDA approval		
BANNED	S0		Adrafinil	Stimulant	Lacks FDA approval		
BANNED	S4		AICAR (5-Aminoimidazole-4-carboxamide ribonucleotide)	Metabolic modulator	Lacks FDA approval		
CONTROLLED	S7	B	Albuterol (Salbutamol)	Bronchodilator	FDA-approved equine product Torpex no longer commercially available. Available as FDA-approved for human use via inhalation as Proair HFA, Ventolin HFA, and generic formulations	Detection Time: 72 hours at 5 x 100 µg actuations per dose for 2 days dosed every 4 hours <i>Note:</i> Albuterol administered by any route other than inhalation is a Banned Substance. Evidence that albuterol was	<u>SL Screening Limit:</u> 0.5 ng/mL in urine.

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						administered by a route other than inhalation, regardless of the albuterol concentration in a urine sample, constitutes a Doping Violation	
BANNED	S0		Alclofenac	NSAID	Lacks FDA approval		
CONTROLLED	S7	C	Alclometasone	Corticosteroid	Generic		
BANNED	S0		Alcuronium	Muscle relaxant	Lacks FDA approval		
BANNED	S5		Aldosterone	Diuretic	Lacks FDA approval		
BANNED	S6		Alendronate	Bisphosphonate	Fosamax, Binosto		
BANNED	S2		Alexamorelin	Growth Hormone	Lacks FDA approval		
CONTROLLED	S7	A	Alfentanil	Opioid Analgesic	Alfenta. DEA Schedule II		
CONTROLLED	S7	B	Allopurinol	Xanthine oxidase inhibitor	Lopurin, Zyloprim,		

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					Aloprim		
BANNED	S0		Almotriptan	Selective Serotonin Receptor Agonist	Generic		
BANNED	S0		Alpha-pyrrolidinovalerophenone (Alpha PVP and " <u>Bath Salts</u> " <u>bath salts</u> ")	Stimulant/Hallucinogen	Lacks FDA approval. DEA Schedule I		
BANNED	S2		Alpha-casozepine	Sedative	Lacks FDA approval		
BANNED	S0		Alphadolone (Alfadolone) acetate	Anesthetic	Lacks FDA approval		
BANNED	S0		Alphaprodine	Opioid Analgesic	Lacks FDA approval. DEA Schedule II		
BANNED	S0		Alphenal	Barbiturate/Anticonvulsant	Lacks FDA approval		
BANNED	S0		Alpidem	Anxiolytic	Lacks FDA approval		
CONTROLLED	S7	A	Alprazolam	Sedative/Anxiolytic	Xanax. DEA Schedule IV		
BANNED	S0		Alprenolol	Antihypertensive	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S0		Althesin	Anesthetic	Lacks FDA approval		
BANNED	S5		Althiazide	Diuretic	Lacks FDA approval		
CONTROLLED—fillies and mares	S7	C	Altrenogest	Progestogen/Estrus Suppression	Regumate		
BANNED <u>CONTROLLED</u> —Intact males, <u>Males</u> ; geldings, spayed females	S6 <u>S7</u>	<u>A</u>	Altrenogest	Progestogen/Estrus Suppression	Regumate		
BANNED	S0		Alverine	Antispasmodic	Lacks FDA approval		
BANNED	S0		Amantadine	Dopamine agonist	Gocovri, Osmolex ER		
BANNED	S0		Ambenonium	Cholinesterase Inhibitor	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Ambroxol	Mucolytic	Lacks FDA approval		
BANNED	S0		Ambucetamide	Antispasmodic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
CONTROLLED	S7	C	Amcinonide	Corticosteroid	Generic		
BANNED	S0		Amfepramone	Antidepressant	Lacks FDA approval		
BANNED	S0		Amfetaminil	Stimulant	Lacks FDA approval		
BANNED	S0		Amidephrine	Stimulant	Lacks FDA approval		
BANNED	S5		Amiloride	Diuretic	Midamor		
BANNED	S0		Amineptine	Antidepressant	Lacks FDA approval		
CONTROLLED	S7	C	Aminocaproic acid	Anti-fibrinolytic	Amicar		
BANNED	S4		Aminoglutethimide	Aromatase inhibitor	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Aminomethylbenzoic acid	Anti-fibrinolytic	Lacks FDA approval		
BANNED	S0		Aminometradine	Diuretic	Lacks FDA approval		
CONTROLLED	S7	B	Aminophylline	Bronchodilator	Generic		
BANNED	S0		Aminopterin	Anti-neoplastic/Immunosuppressive	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Aminopyrine (Pyramidon)	Analgesic	Lacks FDA approval		
BANNED	S0	(x)	Aminorex	Stimulant	Lacks FDA approval. DEA Schedule I		
CONTROLLED	S7	B	Amiodarone	Antiarrhythmic	Nexterone, Pacerone		
BANNED	S0		Amiphenazole	Respiratory Stimulant	Lacks FDA approval		
BANNED	S5		Amisometradine	Diuretic	Lacks FDA approval		
BANNED	S0		Amisulpride	Antipsychotic	Barhemsys		
CONTROLLED	S7	A	Amitraz	Stimulant	Mitaban		
CONTROLLED	S7	A	Amitriptyline	Antidepressant	Elavil		
BANNED	S5		Amlodipine	Antihypertensive	Norvasc		
BANNED	S0		Ammonium Chloride	Chemical neurectomy	Generic		
BANNED	S0		Ammonium Sulphate	Chemical neurectomy	Lacks FDA approval		
BANNED	S0		Ammonium Sulphide	Chemical neurectomy	Lacks FDA approval		
BANNED	S0		Amobarbital	Bartiburate/Anticonvulsant	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Amoxapine	Antidepressant	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Amperozide	Antipsychotic	Lacks FDA approval		
BANNED	S0		Amphetamine	Stimulant	Adzenys XR-ODT, Dyanavel XR, Evekeo. DEA Schedule III		
BANNED	S0		Amphetaminil	Stimulant	Lacks FDA approval		
BANNED	S0		Ampyrone	NSAID	Lacks FDA approval		
CONTROLLED	S7	B	Amrinone (inamrinone)	Vasodilator	Amicor, Cardiotone		
BANNED	S0		Amyl nitrite	Antihypertensive/CNS Depressant	Lacks FDA approval		
BANNED	S0		Amylocaine	Local anesthetic	Lacks FDA approval		
BANNED	S2		Anamorelin	Growth Hormone	New Drug Application submitted; currently lacks FDA approval		
BANNED	S4		Anastrozole	Anti-estrogen	Arimidex		
BANNED	S1		Andarine	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval		
BANNED	S1		Androst-4-ene-3 α ,17 β diol	Anabolic	DEA Schedule III		

HISA listed as	HISA status	Penalty subclassification (specified substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit* Limit*
BANNED	S1		Androst-4-ene-3 β ,17 α diol	Anabolic	DEA Schedule III		
BANNED	S1		Androst-5-ene-3 α ,17 α diol	Anabolic	DEA Schedule III		
BANNED	S1		Androst-5-ene-3 α ,17 β diol	Anabolic	DEA Schedule III		
BANNED	S1		Androst-5-ene-3 β ,17 α diol	Anabolic	DEA Schedule III		
BANNED	S4		Androstatrienedione (Androsta-1,4,6-triene-3,17-dione)	Anabolic	DEA Schedule III		
BANNED	S4		Androstenediol (androst-5-ene-3 β ,17 β diol)	Anabolic	DEA Schedule III		
BANNED	S4		Androstenedione (androst-4-ene-3,17dione)	Anabolic	DEA Schedule III		
BANNED	S4		Androsterone (3 β hydroxy-5 α -androstan-17-one)	Anabolic	DEA Schedule III		
BANNED	S0		Anileridine	Opioid Analgesic	Discontinued, no FDA-approved product		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					commercially available. DEA Schedule II		
BANNED	S0		Anilopam	Opioid Analgesic	Lacks FDA approval		
BANNED	S0		Anisindione	Anticoagulant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Anisotropine (Octatropine methylbromide)	Anticholinergic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Antazoline	Antihistamine (ophthalmic)	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Antipyrine	NSAID	Lacks FDA approval		
BANNED	S0		Apazone (Azapropazone)	NSAID	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Apocodeine	Dopamine agonist	Lacks FDA approval		
BANNED	S0		Apomorphine	Opioid Analgesic	Kynmobi, Apokyn		
<u>CONTROLLED</u>	<u>S7</u>	<u>C</u>	<u>Oclacitinib</u>	<u>Immunosuppressant</u>	<u>Apoquel</u>		
BANNED	S0		Aprindine	Antiarrhythmic	Lacks FDA approval		
BANNED	S0		Aprobarbital	Barbiturate	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Apronalide	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S2		ARA-290	Erythropoiesis	FDA Orphan Drug status		
BANNED	S0		Arecoline	Stimulant	Lacks FDA approval		
BANNED	S3		Arformoterol	Beta-2 agonist-bronchodilator	Brovana		
BANNED	S2		Argon	Hypoxia Inducible Factor activating			
BANNED	S4		Arimistane (Anrosta-3,5-diene-7,17-dione)	Anabolic	Lacks FDA approval		
CONTROLLED	S7	A	Aripiprazole	Antipsychotic	Abilify		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
CONTROLLED	S7	B (x)	Arsenic	Stimulant	Environmental substance		0.3 mcg/mL total (free and conjugated) in urine.
CONTROLLED	S7	B	Articaine	Local anesthetic	Orabloc, Septocaine		
BANNED	S2		Asialo EPO	Erythropoiesis			
BANNED	S0		Atenolol	Antihypertensive	Tenormin		
CONTROLLED	S7	A	Atipamezole	Alpha adrenergic antagonist	Antisedan, Revertidine		
BANNED	S0		Atomoxetine	Stimulant	Strattera		
CONTROLLED	S7	A	Atracurium	Muscle relaxant	Generic		
CONTROLLED	S7	B (x)	Atropine	Anticholinergic	Atropen.		60 ng/mL total (free and conjugated) in urine.
BANNED	S0		Azacylonol (γ-pipradrol)	CNS depressant	Lacks FDA approval		
BANNED	S0		Azaperone	Sedative	Stresnil		
BANNED	S0		Azapetine	Vasodilator	Lacks FDA approval		
BANNED	S0		Azapropazone	NSAID	Lacks FDA approval		
BANNED	S0		Azathioprine	Immunosuppressor	Imuran		

HISA listed as	HISA status	Penalty subclassification (specified substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit*
BANNED	S0		Azatidine (Azatadine)	Antihistamine	Discontinued, no FDA-approved product commercially available		
BANNED	S5		Azosemide	Diuretic	Lacks FDA approval		
CONTROLLED	S7	B	Baclofen	Muscle relaxant	Lyvispah, Gablofen, Lioresal, Ozobax, Fleqsuvy		
BANNED	S0		Bambuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S0		Bamifylline	Bronchodilator	Lacks FDA approval		
BANNED	S0		Barbital (barbitone)	Sedative/Hypnotic	Lacks FDA approval. DEA Schedule IV		
BANNED	S4		Bazedoxifene	Selective Estrogen Receptor Modulator (SERM)	FDA-approved in combination with Premarin as Duavee		
BANNED	S0		Beclamide	Anticonvulsant	Lacks FDA approval		
CONTROLLED	S7	C	Beclomethasone	Corticosteroid	Qvar, Qnasl, Beclovent		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Bemegride	Stimulant	Lacks FDA approval		
BANNED	S0		Benactyzine	Anticholinergic	Lacks FDA approval		
BANNED	S0		Benapryzine	Anticholinergic	Lacks FDA approval		
BANNED	S0		Benazepril	Antihypertensive	Lotensin, Lotrel (with amlodipine)		
BANNED	S5		Bendroflumethiazide	Diuretic	Naturetin, Corzide		
BANNED	S0		Benorilate	NSAID	Lacks FDA approval		
BANNED	S0		Benoxaprofen	NSAID	Lacks FDA approval		
CONTROLLED	S7	C	Benoxinate(Oxybucaine, Oxybuprocaine)	Local anesthetic	Altafluor Benox [with fluorescein stain]		
BANNED	S0		Benperidol	Antipsychotic	Lacks FDA approval		
BANNED	S0		Bentazepam	Anxiolytic	Lacks FDA approval		
CONTROLLED	S7	B	Benzocaine	Local anesthetic	Orajel, Anbesol, Lanacane		
BANNED	S0		Benzoctamine	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Benzonatate	Antitussive	Tessalon		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S0		Benzphetamine	Stimulant	Generic. DEA Schedule III		
BANNED	S0		Benzquinamide	Antipsychotic/Anti-emetic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Benzthiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	A	Benztropine	Anticholinergic	Generic		
BANNED	S0		Benzydamine	NSAID	Lacks FDA approval		
BANNED	S0		Benzylpiperazine (BZP)	Stimulant	Lacks FDA approval		
BANNED	S0		Bepridil	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	C	Betamethasone	Corticosteroid	Betavet, Celestone		0.2 ng/mL in urine.
BANNED	S0		Betaprodine	Opioid Analgesic	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Betaxolol	Antihypertensive	Betoptic		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
CONTROLLED	S7	C	Bethanechol	Cholinergic	Duovoid		
BANNED	S0		Bethanidine (Betanidine)	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S4		Bimagrumab	Anabolic	Lacks FDA approval (Orphan drug designation withdrawn)		
BANNED	S0		Biperiden	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Biphenamine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Biprsoprolol	Antihypertensive	Ziac [with hydrochlorothiazide]		
BANNED	S0		Biriperone (Centbutindole)	Antipsychotic	Lacks FDA approval		
BANNED	S0		Bitolterol	Beta-2 agonist-bronchodilator	Discontinued, no FDA-approved product		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					commercially available		
BANNED	S1		Bolandiol (estr-4-ene3 β , 17 β -diol)	Anabolic	Lacks FDA approval		
BANNED	S1		Bolasterone (7 α , 17 α -dimethyltestosterone)	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Boldenone	Anabolic	Equipoise. DEA Schedule III		Threshold: 0.015 mcg free and conjugated boldenone per mL in urine in male horses (other than geldings).
BANNED	S1		Boldione	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S6		Botulinum toxin	Neurotoxin	Botox, Dysport, Jeuveau		
BANNED	S0		Brallobarbital	Barbiturate	Lacks FDA approval		
CONTROLLED	S7	B	Bretylum	Antiarrhythmic	Generic		
BANNED	S0		Brimonidine	Antihypertensive	Alphagan P, Qoliana, Lumify		
CONTROLLED	S7	B	Brinzolamide	Carbonic Anhydrase Inhibitor	Simbrinza, Azopt		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Bromantan	Psychostimulant	Lacks FDA approval		
BANNED	S0		Bromazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	A	Bromfenac	NSAID	Prolensa, Bromsite		
BANNED	S0		Bromhexine	Mucolytic	Lacks FDA approval		
BANNED	S0		Bromisovalum	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Bromocriptine	Anticholinergic	Parlodel, Cycloset		
CONTROLLED	S7	B	Bromodiphenhydramine	Antihistamine	Ambodryl, Ambrodil		
BANNED	S0		Bromophenethylamine	Psychedelic	Lacks FDA approval		
BANNED	S0		Bromperidol	Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	B	Brompheniramine	Antihistamine	Dimetapp		
BANNED	S0		Brotizolam	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Bucetin	NSAID	Lacks FDA approval		
BANNED	S0		Buclizine	Antihistamine/Anti-emetic	Discontinued, no FDA-approved product		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					commercially available		
CONTROLLED	S7	C	Budesonide	Corticosteroid	Uceris, Entocort, Tarpeyo, Ortikos, Pulmicor Flexhaler, Symbicort (with formoterol), Rhinocort Allergy		
BANNED	S0		Bufexamac	NSAID	Lacks FDA approval		
BANNED	S0		Buflomedil	Vasodilator	Lacks FDA approval		
BANNED	S0	(x)	Bufotenine	Hallucinogen	Lacks FDA approval. DEA Schedule I		10 mcg/mL Total (free and conjugated) in urine.
BANNED	S5		Bumetanide	Diuretic	Bumex		
BANNED	S0		Bunitrolol	Vasodilator	Lacks FDA approval		
BANNED	S0		Bunolol	Anti-hypertensive	Betagan		
BANNED	S0		Buphenine (nylidrin)	Vasodilator	Lacks FDA approval		
CONTROLLED	S7	B	Bupivacaine	Local anesthetic	Marcaine, Sensorcaine, Exparel		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Bupranolol	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	A	Buprenorphine	Analgesic	Simbadol, Zorbium, Butrans, Sublocade, Belbuca, Buprenex, Zubsolv. DEA Schedule III		
BANNED	S0		Bupropion	Antidepressant	Wellbutrin, Zyban		
BANNED	S4		Buserelin	Gonadotropin Releasing Hormone	Lacks FDA approval		
CONTROLLED	S7	A	Buspirone	Anxiolytic	Generic		
BANNED	S0		Butabarbital (Secbutobarbitone)	Barbiturate	Discontinued, no FDA-approved product commercially available. DEA Schedule III		
BANNED	S0		Butacaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Butalbital (Talbutal)	Barbiturate	Esgic, Fioricet. DEA Schedule III		
CONTROLLED	S7	C	Butamben (butyl	Local anesthetic	Cetacaine		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection <u>time</u> <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
			aminobenzoate)				
BANNED	S0		Butanilcaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Butaperazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Butoctamide	Serotonin release	Lacks FDA approval		
BANNED	S0		Butofilolol	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	B	Butorphanol	Sedative	Torbugesic, Tobutrol, Stadol, Dolorex. DEA Schedule IV	Detection Time: 72 hrs. 0.1 mg/kg single IV dose (6 horses)	1 ng/mL in hydrolyzed urine or 0.01 ng/mL plasma or serum.
BANNED	S0		Butoxycaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Cafedrine	Cardiac Stimulant	Lacks FDA approval		
CONTROLLED	S7	B (x)	Caffeine	Stimulant	Cafcit, Migergot (with ergotamine), combined with NSAIDs in OTC formulations. Recognized by IFHA as <u>Feed Contaminant</u> <u>feed</u>		50 ng/mL (free and conjugated) in urine.

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					contaminant		
BANNED	S0		Calcium dobesilate	Vasoprotective	Lacks FDA approval		
BANNED	S1		Calusterone (<i>Methosarb, Riedemil, NSC-88536, U-22550</i>)	Anabolic	Lacks FDA approval. (NSC-88536, U-22550) DEA Schedule III		
BANNED	S0		Camazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	C	Camphor	Local anesthetic	Vicks VapoRub		
BANNED	S0		Candesartan	Antihypertensive	Atacand		
CONTROLLED	S7	B	Cannabidiol (CBD)	Analgesic/anti-inflammatory	Epidiolex		
BANNED	S0	(x)	Cannabinoids (natural, synthetic and other cannabimimetics)	Psychotropic	Lack FDA approval		
BANNED	S5		Canrenone	Diuretic	Lacks FDA approval		
BANNED	S1		Capromorelin	Anabolic	Entyce, Elura		
CONTROLLED	S7	B	Capsaicin	Topical analgesic/irritant	Zostrix, Salonpas		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					Hot		
BANNED	S0		Captodiamine (captodiamine)	Antihistamine	Lacks FDA approval		
BANNED	S0		Captopril	Antihypertensive	Generic		
BANNED	S0		Caramiphen	Anticholinergic	Lacks FDA approval		
BANNED	S0		Carazolol	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	B	Carbachol	Cholinergic	Miostat		
CONTROLLED	S7	B	Carbamazepine	Anticonvulsant	Tegretol, Carbatrol, Equetro, Teril		
BANNED	S2		Carbamylated EPO (CEPO)	Erythropoiesi <u>Erythropoiesis</u>			
BANNED	S0		Carbazochrome (Adrenochrome monosemicarbazone)	Hemostatic	Lacks FDA approval		
BANNED	S0		Carbetapentane (pentoxyverine)	Antitussive	Lacks FDA approval		
BANNED	S0		Carbidopa	Decarboxylase Inhibitor	Lodosyn; Stalevo, Rytary, Duopa, Dhivy, Sinemet (all		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					with levodopa)		
BANNED	S0		Carbimazole	Anti-hyperthyroidism	Lacks FDA approval		
CONTROLLED	S7	B	Carbinoxamine	Antihistamine	Karbinal ER		
BANNED	S0		Carbocysteine	Mucolytic	Lacks FDA approval		
BANNED	S0		Carbromal	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Carbuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S1		Cardarine (GW-501, GW516, GSK-516)	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval		
BANNED	S0		Carfentanil	Opioid Analgesic	Lacks FDA approval. DEA Schedule II		
CONTROLLED	S7	B	Carisoprodol	Muscle relaxant	Soma. DEA Schedule IV		
BANNED	S0		Carphedon	Psychostimulant	Lacks FDA approval		
BANNED	S0		Carphenazine	Antipsychotic	Discontinued, no FDA-approved product commercially available		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Carpipramine	Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	B	Carprofen	NSAID	Rimadyl		
BANNED	S3		Carteolol	Antihypertensive	Generic		
CONTROLLED	S7	B	Carticaine (see Articaine)	Local anesthetic	Septocaine, Orbloc		
BANNED	S0		Carvedilol	Antihypertensive	Coreg		
BANNED	S0		Cathinone	Stimulant	Lacks FDA approval. DEA Schedule I		
CONTROLLED	S7	B	Celecoxib	NSAID	Celebrex		
BANNED	S0		Celiprolol	Anti-hypertensive	Lacks FDA approval		
BANNED	S0		Cephaeline	Emetic, plant alkaloid	Lacks FDA approval		
CONTROLLED	S7	C	Cetirizine	Antihistamine	Quzyttir, Zerviate, Zyrtec	Detection Time: 48 hours. 0.4 mg/kg twice daily for 5 doses. (9 horses)	3 ng/mL in serum or plasma.
BANNED	S0		Chlomethiazole	Anticonvulsant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Chloral (cloral) betaine	Sedative/Hypnotic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Chloral hydrate	Sedative	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Chloralose (AlphaChloralose)	Anxiolytic	Lacks FDA approval		
BANNED	S0		Chlorcyclizine	Antihistamine	Lacks FDA approval		
BANNED	S0		Chlordiazepoxide	Anxiolytic	Librium; Librax (with chlordiazepoxide hydrochloride). DEA Schedule IV		
BANNED	S0		Chlormadinone acetate	Reproductive hormone	Lacks FDA approval		
BANNED	S0		Chlormerodrin	Diuretic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Chlormezanone	Muscle relaxant	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit*
					available		
BANNED	S0		Chloroform	Anesthetic	Lacks FDA approval		
BANNED	S0		Chlorophenylpiperazine	Psychoactive	Lacks FDA approval		
CONTROLLED	S7	A	Chloroprocaine	Local anesthetic	Nesacaine		
BANNED	S0		Chloropyramine	Antihistamine	Lacks FDA approval		
BANNED	S5		Chlorothiazide	Diuretic	Diuril		
BANNED	S0		Chlorphenesin	Muscle relaxant	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Chlorpheniramine	Antihistamine	ChlorTrimeton		
BANNED	S0		Chlorphenoxamine	Antihistamine	Lacks FDA approval		
BANNED	S0		Chlorphentermine	Stimulant	Discontinued, no FDA-approved product commercially available		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit*
BANNED	S0		Chlorproethazine	Muscle relaxant	Lacks FDA approval		
BANNED	S0		Chlorpromazine	Sedative	Generic		
BANNED	S0		Chlorpropamide	Hypoglycemic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Chlorprothixene	Antipsychotic	Discontinued, no FDA-approved product commercially available		
BANNED	S5		Chlorthalidone	Diuretic	Thalitone		
BANNED	S0		Chlorthenoxazine	NSAID	Lacks FDA approval		
BANNED	S5		Chlorthiazide (Chlorothiazide)	Diuretic	Diuril		
CONTROLLED	S7	B	Chlorzoxazone	Muscle relaxant	Generic		
CONTROLLED—fillies and mares	S7	B	Chorionic Gonadotropin (CG)	Reproductive hormone	Pregnyl—biologic, does not require FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection <u>time</u> <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
BANNED— <u>intact males</u> and geldings (exception for diagnosing cryptorchidism – see Rule 4113(b)(1))	S2		Chorionic Gonadotropin (CG)	Reproductive hormone	Pregnyl		
CONTROLLED	S7	C	Ciclesonide	Corticosteroid	Aservo EquiHaler, Alvesco	Detection Time: 48 hours. 5.5 mg/day x 5 days, then 4.1 mg/day x 5 days via inhalation (Aservo Equihaler). (6 horses)	
BANNED	S0		Cicloprofen	NSAID	Lacks FDA approval		
BANNED	S0		Cilazapril	Anti-hypertensive	Lacks FDA approval		
CONTROLLED	S7	B	Cilostazol	Vasodilator	Pletal		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Cimaterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S3		Cimbuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
CONTROLLED	S7	CD	Cimetidine	Anti-ulcer	Tagamet	Restricted administration timeAdministration Period: 24 hours prior to Post-Time. 20 mg/kg orally twice daily for a total of 7 doses (9 horses)	400 ng/mL in serum or plasma.
BANNED	S0		Cinchocaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Cinchophen	NSAID	Lacks FDA approval		
BANNED	S0		Cinnarizine	Antihistamine	Lacks FDA approval		
BANNED	S0		Citalopram	Antidepressant	Celexa		
BANNED	S0		Clanobutin	Cholorectic	Lacks FDA approval		
CONTROLLED	S7	B	Clemastine	Antihistamine	Tavist, Dayhist		
BANNED	S0		Clemizole	Antihistamine	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time Time	Screening limit Limit *
CONTROLLED	S7	B	Clenbuterol	Beta-2 agonist-bronchodilator	Ventipulmin	Treated horse Vet Listed for minimum 21 days after last treatment. Official Vets' List Workout and Clearance Testing (blood and urine) required to re-establish eligibility to race. Dosing specification: 0.8 mcg/kg orally twice daily for up to 30 days total in a 6 month period	
BANNED	S3		Clenpenterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S0		Clibucaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Clidinium	Anticholinergic	No FDA-approved produce product		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Clobazam	Anxiolytic	Sympazan, Onfi. DEA Schedule IV		
BANNED	S0		Clobenzorex	Stimulant	Lacks FDA approval		
CONTROLLED	S7	C	Clobetasol	Corticosteroid	Olux, Cormax, Embeline, Impoyz, Clobex, Impeklo		
CONTROLLED	S7	C	Clocortolone	Corticosteroid	Cloderm		
BANNED	S6		Clodronate (Clodronic acid)	Bisphosphonate	OsPhos		
BANNED	S5		Clofenamid	Carbonic Anhydrase Inhibitor	Lacks FDA approval		
BANNED	S0		Clomethiazole (Chlormethiazole)	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S4		Clomifene <u>Clomiphene</u>	Induce ovulation	Generic		
BANNED	S0		Clomipramine	Antidepressant	Clomicalm		
BANNED	S0		Clonazepam	Anxiolytic	Klonopin. DEA Schedule IV		
CONTROLLED	S7	A	Clonidine	Antihypertensive/Analgesic	Catapres-TTS		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Clonixin	NSAID	Lacks FDA approval		
BANNED	S5		Clopamide	Diuretic	Lacks FDA approval		
BANNED	S0		Cloranolol	Antihypertensive	Lacks FDA approval		
BANNED	S0		Clorazepate	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Clormecaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Clorprenaline	Bronchodilator	Lacks FDA approval		
BANNED	S1		Clostebol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Clotiapine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Clotiazepam	Anxiolytic	Lacks FDA approval		
BANNED	S0		Cloxazolam	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Clozapine	Antipsychotic	Clozaril, Versacloz		
BANNED	S2		CNTO 530	Erythropoiesis	Lacks FDA approval		
BANNED	S2		Cobalt Salts (e.g., CoCl ₂)	Erythropoiesi			Threshold: 0.1 mcg/mL total Cobalt in urine OR 0.025 mcg/mL total

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
							(free and protein bound)/mL in serum or plasma.
BANNED	S6		Cobratoxin, alpha	Neurotoxin	Lacks FDA approval		
BANNED	S0		Cocaine (metabolite: benzoylecgonine)	Stimulant	Goprelto, Numbrino. DEA Schedule II		
BANNED	S0		Codeine	Opioid Analgesic	Generic (DEA Schedule II or in combination with NSAIDs, caffeine and other drugs (DEA Schedule III))		
CONTROLLED	S7	B (x)	Colchicine	Anti-gout	Colcrys, Mitigare		
BANNED	S0		Conorphone	Opioid Analgesic	Lacks FDA approval		
BANNED	S2		Cortcorelin	Corticosteroid stimulation	Approved Oprhan Drug		
CONTROLLED	S7	B	Corticotrophin (<u>corticotropin</u>)	Corticosteroid stimulation	ACTH-80, Acthar Gel		
BANNED	S0		Cortivazol	Glucocorticoid	Lacks FDA approval		
BANNED	S0		Cotinine (Cotinine is a	Psychoactive/Anxiolytic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
			metabolite of nicotine. If there is credible evidence that the presence of cotinine in a horse's sample is a consequence of nicotine exposure, the classification of cotinine may be revised to S7(A).)				
CONTROLLED	S7	C	Cromolyn (Cromoglycate)	Mast Cell Stabilizer	Gastrocrom		
BANNED	S0		Cropropamide	Respiratory Stimulant	Lacks FDA approval		
BANNED	S0		Crotethamide	Respiratory Stimulant	Lacks FDA approval		
BANNED	S0		Cyamemazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Cyclandelate	Vasodilator	Lacks FDA approval		
BANNED	S0		Cyclizine	Antihistamine	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Cyclobarbitol	Barbiturate	Lacks FDA approval		
CONTROLLED	S7	B	Cyclobenzaprine	Muscle relaxant	Flexeril, Amrix		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening Limit *
BANNED	S4		Cyclofenil	Selective Estrogen Receptor Modulator (SERM)	Lacks FDA approval		
BANNED	S0		Cycloguanil	Antimalarial	Lacks FDA approval		
BANNED	S0		Cyclomethycaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Cyclopentamine	Vasoconstrictor	Lacks FDA approval		
CONTROLLED	S7	<u>B</u>	Cyclopentolate	Mydriatic	Akpentolate, Cyclogyl, Pentolair, Cyclomydril		
BANNED	S0		Cyclophenil	Selective Estrogen Receptor Modulator (SERM)	Lacks FDA approval		
BANNED	S0		Cyclothiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Cycrimine	Anticholinergic	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>Limit</u> <u>Limit</u> *
					available		
CONTROLLED	S7	B	Cyproheptadine	Antihistamine	Periactin		
BANNED	S4		Dalantercept (ACE-041)	Anti-neoplastic	Lacks FDA approval		
BANNED	S1		Danazol	Anabolic	Generic		
CONTROLLED	S7	C	Dantrolene	Muscle relaxant	Dantrium	Detection Time: 48 hrs. 500 mg orally once daily for 3 days. (12 horses)	3 ng/mL of 5-hydroxydantrolene in urine; 0.1 ng/mL in serum or plasma as 5-hydroxydantrolene.
BANNED	S2		Darbepoetin (dEPO)	Erythropoiesis	Aranesp		
BANNED	S0		Decamethonium	Muscle relaxant	Discontinued, no FDA-approved product commercially available		
BANNED	S1		Dehydrochloromethyltestosterone	Anabolic	Turinabol. DEA Schedule III		
BANNED	S0		Delmadinone acetate	Reproductive hormone	Lacks FDA approval		
BANNED	S0		Delorazepam	Anxiolytic	Lacks FDA approval.		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					DEA Schedule IV		
BANNED	S0		Dembroxol (Dembrexine)	Mucolytic	Lacks FDA approval		
BANNED	S0	(x)	Demecolcine	Anti-neoplastic/Immunomodulator	Lacks FDA approval		
BANNED	S0		Demoxepam	Anxiolytic	Lacks FDA approval		
BANNED	S0		Deoxycorticosterone	Minerlocorticoid	Lacks FDA approval		
BANNED	S0		Deptropine	Antihistamine	Lacks FDA approval		
CONTROLLED	S7	B	Deracoxib	NSAID	Deramaxx		
BANNED	S6		Dermorphin	Opioid Receptor Agonist	Lacks FDA approval		
BANNED	S0		Deserpidine	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Desipramine	Antidepressant	Norpramin		
CONTROLLED —fillies and <u>Mares</u>	S7	B	Deslorelin	Induce ovulation	Ovuplant, SucroMate, Suprelorin		
BANNED — <u>intae</u>					Ovuplant,		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time Time	Screening limit Limit *
Intact Males and geldings	S4		Deslorelin	Reproductive hormone	SucroMate, Suprelorin		
BANNED	S5		Desmopressin	Anti-diuretic	DDAVP, Nocdurna		
CONTROLLED	S7	C	Desonide	Corticosteroid	Verdeso, Desowen		
CONTROLLED	S7	C	Desoximethasone (desoxymethasone, desoximetasonone)	Corticosteroid	Topicor Topicort		
BANNED	S1		Desoxymethyltestosterone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Desoxyvinyl-testosterone	Anabolic	Lacks FDA approval		
CONTROLLED	S7	B	Detomidine	Sedative/Analgesic	Dormosedan	Detection Time: 48 hrs. 0.02 mg/kg single IV dose (10 horses)	2 ng/mL 3-carboxydetomidine in urine; 0.02 ng/mL detomidine in serum or plasma.
CONTROLLED	S7	C	Dexamethasone	Corticosteroid	Azium, Dexasone	Detection Time: 72 hours. Single 20 mg oral dose (20	0.2 ng/mL in urine.

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit*
						horses)	
CONTROLLED	S7	C	Dexamethasone Sodium phosphate	Corticosteroid	Generic	Detection Time: 72 hours. 0.06 mg/kg single IV dose (6 horses)	
<u>CONTROLLED</u>	<u>S7</u>	<u>D</u>	<u>Dexlansoprazole</u>	<u>Anti-ulcer</u>	<u>Dexilant</u>	<u>Restricted Administration Period: 24 hours prior to Post-Time</u>	
CONTROLLED	S7	B	Dextromethorphan	Antitussive	Delsym, Robitussin		
BANNED	S0		Dextromoramide	Opioid Analgesic	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Dextropropoxyphene	Opioid Analgesic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
BANNED	S0		Dextrorphan (Dextrorphan may be present as a metabolite of dextromethorphan. If there is credible evidence that the presence of dextrorphan in the horse's sample is the consequence of dextromethorphan administration, the classification of dextrorphan may be revised to S7(A).)	Psychoactive/Antitussive	Lacks FDA approval		
BANNED	S0		Dezocine	Opioid Analgesic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Diacerein	Anti-osteoarthritic	Lacks FDA approval		
BANNED	S0		Diamorphine (diacetylmorphine)	Opioid Analgesic	Lacks FDA approval. DEA Schedule I		
CONTROLLED	S7	B	Diazepam	Anxiolytic	Valium. DEA Schedule IV		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Diazoxide	Antihypertensive/Hyperglycemic	Proglycem		
BANNED	S0		Dibenzepin	Antidepressant	Lacks FDA approval		
BANNED	S0		Dibucaine	Local anesthetic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Dichlorisone	Corticosteroid	Lacks FDA approval		
BANNED	S0		Dichloroacetate	Anti-neoplastic	Lacks FDA approval		
CONTROLLED	S7	C	Dichlorphenamide	Carbonic Anhydrase Inhibitor	Keveyis		
CONTROLLED	S7	C	Diclofenac	NSAID	Surpass, Voltaren		50 ng/mL in urine.
BANNED	S0		Dicumarol	Anticoagulant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Diethylpropion	Stimulant	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Diethylthiambutene	Opioid Analgesic	Lacks FDA approval.		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					DEA Schedule I		
BANNED	S0		Diethyltryptamine (DET)	Hallucinogen	Lacks FDA approval		
CONTROLLED	S7	C	Diflorasone	Corticosteroid	Florone		
BANNED	S0		Diflucortolone	Corticosteroid	Lacks FDA approval		
BANNED	S0		Diflunisal	NSAID	Generic		
BANNED	S0		Digitoxin	Antiarrhythmic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Digoxin	Antiarrhythmic	Lanoxin		
BANNED	S0		Dihydrocodeine	Opioid Analgesic	Trezix (with acetaminophen and caffeine) DEA Schedule III		
BANNED	S0		Dihydrocodeinone	Opioid Analgesic	Lacks FDA approval		
CONTROLLED	S7	B	Dihydroergotamine mesylate	Ergot alkaloid	Migranal, Trudhesa		
BANNED	S0		Dihydromorphine	Opioid Analgesic	Lacks FDA approval.		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
					DEA Schedule I		
BANNED	S1		Dihydrotestosterone (17β-hydroxy-5α androstan-3-one, Androstanolone)	Anabolic	Anabolex, Andractimm, Pesomax, Stanolone. DEA Schedule III		
BANNED	S0		Diisopropylamine	Vasodilator	Lacks FDA approval		
BANNED	S0		Diltiazem	Antihypertensive	Cardizem CD, Taztia XT, Tiazac		
BANNED	S0		Dimeflin	Respiratory Stimulant	Lacks FDA approval		
BANNED	S0		Dimethindene	Antihistamine	Lacks FDA approval		
BANNED	S0		Dimethisoquin (quinocaine)	Local anesthetic	Lacks FDA approval		
BANNED	S0		Dimethylamphetamine	Stimulant	Lacks FDA approval		
BANNED	S0		Dimethylphenidate	Stimulant	Lacks FDA approval		
CONTROLLED	S7	C	Dimethylsulfoxide (DMSO)	NSAID	Domoso	Detection Time: 48 hrs. 70 mL 90%	15 mcg/mL in urine or 1,000 ng/mL in serum or plasma. Note: The

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
						DMSO in 500 mL LRS IV single administration (30 horses)	detection of more than one NSAID in a horse's post-Race or Post-Official Workout blood sample <u>Post-Race or Post-Vets' List Work blood Sample</u> constitutes a Stacking Violation.
BANNED	S0	(x)	Dimethyltryptamine (DMT)	Hallucinogen	Lacks FDA approval. DEA Schedule I		10 mcg/mL total (free and conjugated) in urine.
BANNED	S0		Diphenadione	Anticoagulant	No FDA-approved product. Rodenticide		
CONTROLLED	S7	B	Diphenhydramine	Antihistamine	Benadryl		
CONTROLLED	S7	B	Diphenoxylate	Anti-diarrheal	DEA Schedule II. Lomotil (with atropine), DEA Schedule II		
BANNED	S0		Diphenylpyraline	Antihistamine	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
					available		
BANNED	S0		Dipipanone	Opioid Analgesic	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Diprenorphine	Narcotic antagonist	M50-50		
BANNED	S0		Diprophylline	Bronchodilator	Lacks FDA approval		
CONTROLLED	S7	B	Dipyridamole	Platelet inhibitor	Persantine		
CONTROLLED	S7	C	Dipyrene	NSAID/Anti-pyretic	Zimeta	Detection Time: 72 hrs. 30 mg/kg single IV dose (10 horses)	1,000 ng/mL of 4-methylaminoantipyrine in urine. Note: The detection of more than one NSAID in a horse's post-Race or Post-Official Workout blood sample Post-Race or Post-Vets' List Work blood Sample constitutes a Stacking Violation.
CONTROLLED	S7	B	Disopyramide	Antiarrhythmic	Norpace, Rythmodan		
BANNED	S0		Disulfiram	Alcohol antagonist	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
BANNED	S0		Divalproex	Anticonvulsant	Depakote		
BANNED	S0		Dixyrazine	Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	B	Dobutamine	Beta-1 agonist	Generic		
BANNED	S4		Domagrozumab	Anabolic	Lacks FDA approval		
BANNED	S0		Donepezil	Behavior and Cognitive Modifier	Adilarity, Aricep Aricept		
CONTROLLED	S7	A	Dopamine	Neurotransmitter	Generic		
BANNED	S0		Dopexamine	Vasodilator	Lacks FDA approval		
CONTROLLED	S7	B	Dorzolamide	Carbonic Anhydrase Inhibitor	Cesep Cosopt		
BANNED	S0		Dothiepin	Antidepressant	Lacks FDA approval		
BANNED	S0		Doxacurium	Muscle relaxant	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	A	Doxapram	Respiratory Stimulant	Dopram, Respiram		
BANNED	S0		Doxazosin	Antihypertensive	Cardura		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit*
BANNED	S0		Doxefazepam	Anxiolytic	Lacks FDA approval		
CONTROLLED	S7	A	Doxepin	Antidepressant	Generic		
CONTROLLED	S7	B	Doxylamine	Antihistamine	Unisom		
BANNED	S1		Dromostanolone (drostanolone)	Anabolic	Lacks FDA approval		
BANNED	S0		Droperidol	Antipsychotic	Inapsine		
BANNED	S0		Drospirenone	Reproductive hormone	Slynd, Nextstellis, Angeliq, Lo-Zumandimine, Loryna, elamisa, Nikki, Yaz		
BANNED	S0		Duloxetine	Antidepressant	Cymbalta, Drizalma		
CONTROLLED	S7	C	Dyclonine	Topical anesthetic	Dyclopro		
BANNED	S0		Dyphylline (Diphylline)	Antipsychotic/Anti-emetic	Discontinued, no FDA-approved product commercially available		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Edrophonium	Muscle strengthener	Discontinued, no FDA-approved product commercially available		
BANNED	S2		Efaproxiral (RSR13)	Hemoglobin modifier	FDA orphan drug		
BANNED	S0		Eletriptan	Selective Serotonin Receptor Agonist	Relpax		
BANNED	S0		Eitenac	NSAID	Lacks FDA approval		
BANNED	S0		Embramine	Antihistamine	Lacks FDA approval		
BANNED	S0		Embutramide	Opioid Analgesic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Emepromium	Antispasmodic	Lacks FDA approval		
BANNED	S0		Emidonol	Anti-inflammatory	Lacks FDA approval		
BANNED	S0		Enalapril (metabolite enalaprilat)	Angiotensin-converting enzyme inhibitor	Vasotec		
BANNED	S0		Enciprazine	Anxiolytic/Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	A	Ephedrine	Stimulant	Akovaz, Corphedra, Emerphed		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S6		Epibatidine	Analgesic	Lacks FDA approval		
BANNED	S1		Epi-dihydrotestosterone	Anabolic	Lacks FDA approval. DEA Schedule III		
CONTROLLED	S7	A	Epinephrine	Stimulant	Adrenalin, Epipen, Adrenaclick, Auvi-Q, Symjepi, Primatene Mist		
BANNED	S1		Epitestosterone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Eplerenone	Antihypertensive	Inspra		
BANNED	S2		EPO-based constructs (e.g. EPO-Fc)	Erythropoiesis	Lacks FDA approval		
BANNED	S2		EPO-mimetic agents (e.g. CNTO-530, peginesatide)	Erythropoiesis			
BANNED	S0	(x)	Ergonovine	Ergot alkaloid	Lacks FDA approval		
BANNED	S0	(x)	Ergotamine	Ergot alkaloid	Ergomar, Migergot (with caffeine)		
BANNED	S0		Erythritol tetranitrate	Vasodilator	Lacks FDA approval		
BANNED	S2		Erythropoietin (EPO)	Erythropoiesis			

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Esmolol	Antihypertensive	Brevibloc		
CONTROLLED	S7	GD	Esomeprazole	Anti-ulcer	Nexium	Restricted Administration Period: 24 hours prior to Post-Time	
BANNED	S0		Estazolam	Sedative/Anticonvulsant	Prosom. DE Schedule IV		
CONTROLLED —in male horses (other than geldings)	S7	B	Estranediol	Estroge Estrogen			Threshold: 0.045 mcg/mL total (free and conjugated) 5 α -estrane-3 β , 17 α -diol per millilitre in urine when, at screening, the total 5 α -estrane-3 β , 17 α -diol exceeds the total 5,10 estrene-3 β , 17 α -diol in urine.
BANNED	S0		Eszopiclone	Hypnotic	Lunesta		
BANNED	S0		Etafedrine	Bronchodilator	Lacks FDA approval		
BANNED	S0		Etamiphylline	Respiratory Stimulant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Etamivan (Ethamivan)	Respiratory Stimulant	Lacks FDA approval		
CONTROLLED	S7	B	Etanercept	NSAID	Enbrel		
BANNED	S5		Ethacrynic acid (Etacrynic acid)	Diuretic	Edecrin		
BANNED	S0		Ethamivan	Respiratory Stimulant	Lacks FDA approval		
BANNED	S0		Ethamsylate	Antihemorrhagic	Lacks FDA approval		
BANNED	S0		Ethanol	Depressant	Grain alcohol, Everclear		
BANNED	S0		Ethaverine	Vasodilator	Lacks FDA approval		
BANNED	S0		Ethchlorvynol	Sedative/Hypnotic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV		
BANNED	S0		Ethiazide	Diuretic	Lacks FDA approval		
BANNED	S0		Ethinamate	Sedative/Hypnotic	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					available. DEA Schedule IV		
BANNED	S0		Ethinylestradiol	Reproductive hormone	Lacks FDA approval		
BANNED	S0		Ethoheptazine	Analgesic	Lacks FDA approval		
BANNED	S0		Ethopropazine	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Ethosuximide	Anticonvulsant	Zarontin		
BANNED	S0		Ethotoin	Anticonvulsant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Ethoxzolamide	Carbonic Anhydrase Inhibitor	Discontinued, no FDA-approved product commercially available		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Ethyl isobutrazine	Sedative	Lacks FDA approval		
BANNED	S0		Ethyl Loflazepate	Sedative Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV		
CONTROLLED	S7	C	Ethylaminobenzoate (Benzocaine)	Local anesthetic	Orajel		
BANNED	S0		Ethylamphetamine	Stimulant	Lacks FDA approval		
BANNED	S1		Ethylestrenol	Anabolic	Discontinued, no FDA-approved product commercially available. DEA Schedule III		
BANNED	S0		Ethylmorphine	Opioid Analgesic	Lacks FDA approval. DEA Schedule II		
BANNED	S0		Ethylnorepinephrine	Stimulant	Lacks FDA approval		
BANNED	S0		Ethylphenidate	Stimulant	Lacks FDA approval		
BANNED	S0		Etidocaine	Local anesthetic	Discontinued, no		

HISA listed as	HISA status	Penalty subclassification (specified substances) Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					FDA-approved product commercially available		
BANNED	S0		Etifoxine (etafenoxine)	Anticonvulsant	Lacks FDA approval		
BANNED	S0		Etilefrine	Stimulant	Lacks FDA approval		
BANNED	S0		Etiocholanolone	Anabolic	Lacks FDA approval		
BANNED	S0		Etizolam	Anxiolytic	Lacks FDA approval		
CONTROLLED	S7	B	Etodolac	NSAID	Generic		
BANNED	S0		Etodroxizine	Antihistamine	Lacks FDA approval		
BANNED	S0		Etofenamate	NSAID	Lacks FDA approval		
BANNED	S0		Etomidate	Anesthetic	Amidate		
BANNED	S0		Etoricoxib	NSAID	Lacks FDA approval		
BANNED	S0		Etorphine HCl	Opioid analgesic	M99. DEA Schedule I		
BANNED	S2		Examorelin (hexarelin)	Growth Hormone	Lacks FDA approval		
BANNED	S4		Exemestane	Aromatase inhibitor	Aromasin		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection <u>time</u> <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
CONTROLLED	S7	<u>CD</u>	Famotidine	Anti-ulcer	Duexis, Pepcid	<u>Restricted Administration Period: 24 hours prior to Post-Time</u>	
BANNED	S0		Famprofazone	NSAID	Lacks FDA approval		
BANNED	S0		Febarbamate	Anxiolytic	Lacks FDA approval		
BANNED	S0		Felbamate	Anticonvulsant	Trezix, Tuxari, Triacin-C		
BANNED	S0		Felbinac	NSAID	Lacks FDA approval		
BANNED	S0		Felodipine	Antihypertensive	Generic		
BANNED	S0		Fenbufen	NSAID	Felbatol		
BANNED	S0		Fenbutrazate	Psychostimulant	Lacks FDA approval		
BANNED	S0		Fencamfamine	Stimulant	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Fencamine	Psychostimulant	Lacks FDA approval		
BANNED	S0		Fenclofenac	NSAID	Lacks FDA approval		
BANNED	S0		Fenclozic acid	NSAID	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Fenetylline (fenetylline, phenethylamine, phenetylline)	Psychostimulant	Lacks FDA approval		
BANNED	S0		Fenfluramine	Stimulant	Fintepla. DEA Schedule IV		
CONTROLLED	S7	B	Fenoldopam	Vasodilator	Corlopam		
CONTROLLED	S7	B	Fenoprofen	NSAID	Nalfon		
BANNED	S3		Fenoterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S0		Fenozolone	Psychostimulant	Lacks FDA approval		
BANNED	S0		Fenpiprane	Antispasmodic	Lacks FDA approval		
BANNED	S0		Fenproporex	Stimulant	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Fenspiride	Bronchodilator	Lacks FDA approval		
CONTROLLED	S7	A	Fentanyl (fentanil)	Opioid Analgesic	Actiq, Fentora, Lazanda, Sublimaze, Subsys. DEA Schedule II		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S0		Fentiazac	NSAID	Lacks FDA approval		
BANNED	S0		Feprazone	NSAID	Lacks FDA approval		
CONTROLLED	S7	C	Fexofenadine	Antihistamine	Allegra		
BANNED	S2		Fibroblast Growth Factors (FGFs)	Growth Hormone			
CONTROLLED	S7	C	Firocoxib	NSAID	Equioxx, Previcox	Detection Time: 360 hrs. 100 mcg/kg orally once daily for total of 7 doses. (20 horses)	2 ng/mL in serum or plasma.
BANNED	S0		Flavoxate	Anticholinergic	Generic		
CONTROLLED	S7	B	Flecainide	Antiarrhythmic	Generic		
BANNED	S0		Floctafenine	NSAID	Lacks FDA approval		
BANNED	S0		Fluanisone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Fludiazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Fludrocortisone	Corticosteroid	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time Time	Screening limit Limit *
BANNED	S0		Flufenamic acid	NSAID	Lacks FDA approval		
CONTROLLED	S7	C	Flumethasone (flumetasone)	Corticosteroid	Flucort, Anaprime		
BANNED	S5		Flumethiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Flunarizine	Calcium channel blocker	Lacks FDA approval		
BANNED	S0		Flunisolide	Corticosteroid	Generic		
BANNED	S0		Flunitrazepam	Sedative/Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	C	Flunixin	NSAID (3 NSAIDs (Flunixin, Ketoprofen, Phenylbutazone) are associated with a Detection Time of 48 hours. Only one of the three 3 may be administered using a Withdrawal Interval Time based on the 48 hour Detection Time. To avoid a stacking violation (detection of more than 1 NSAID in a blood	Banamine, Flunixamine, Equileve, Meflosyl	Detection Time: 48 hrs. 1.1 mg/kg single IV dose (16 horses); 500 mg single IV dose (12 horses)	4 ng/mL in serum or plasma. <i>Note:</i> The detection of more than one NSAID in a horse's post-Race or Post-Official Workout Post-Race or Post-Vets' List Work blood sample constitutes a Stacking

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
				sample) the following secondary Detection Times should be applied for the following 3 NSAIDs: Flunixin: 144 hours; Ketoprofen 96 hours; Phenylbutazone: 168 hours.)			Violation.
CONTROLLED	S7	C	Fluocinolone acetonide	Corticosteroid	Flucort-N		
CONTROLLED	S7	C	Fluocinonide	Corticosteroid	Fluonex, Lidex, Lonide, Lyderm		
BANNED	S0		Fluocortolone	Corticosteroid	Lacks FDA approval		
BANNED	S0		Fluopromazine (Trifluopromazine)	Antipsychotic	Lacks FDA approval		
BANNED	S0		Fluoresone	Anticonvulsant	Lacks FDA approval		
BANNED	S0		Fluorocortisone	Corticosteroid	Lacks FDA approval		
CONTROLLED	S7	C	Fluorometholone	Corticosteroid	FML Forte		
BANNED	S0		Fluorophenethylamine	Stimulant	Lacks FDA approval		
BANNED	S0		Fluoroprednisolone	Corticosteroid	Discontinued, no FDA-approved product		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					commercially available		
BANNED	S0		Fluoxetine	Antidepressant	Prozac		
BANNED	S1		Fluoxymesterone	Anabolic	Discontinued, no FDA-approved product commercially available. DEA Schedule III		
BANNED	S0		Flupenthixol (flupentixol)	Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	B	Fluphenazine	Antipsychotic	Generic		
BANNED	S0		Flupirtine	Analgesic	Lacks FDA approval		
BANNED	S0		Fluprednisolone	Corticosteroid	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	C	Flurandrenolide (Flurandrenolone, Fludroxycortide)	Corticosteroid	Cordran		
BANNED	S0		Flurazepam	Sedative/Anxiolytic	Generic. DEA		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					Schedule IV		
CONTROLLED	S7	B	Flurbiprofen	NSAID	Ansaid, Ocufer, Strepfen		
BANNED	S0		Fluspirilene	Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	C	Fluticasone	Corticosteroid	Flovent, Flonase		
BANNED	S0		Flutoprazepam	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Fluvoxamine	Antidepressant	Luvox		
BANNED	S4		Follistatin	Myostatin inhibitor			
BANNED	S1		Formebolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S4		Formestane	Aromatase inhibitor	Lacks FDA approval		
BANNED	S3		Formoterol (Aformoterol)	Beta-2 agonist-bronchodilator	Brovana; Breyna (with budesonide); Duaklir Pressair (with aclidinium)		
BANNED	S0		Fosinopril	Antihypertensive	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with <u>"x"</u>)	Substance	Action	Commercial name(s) (developmental names)	Detection <u>time</u> <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
BANNED	S0		Fosphenytoin	Anticonvulsant	Cerebyx		
BANNED	S4		Fulvestrant	Estrogen antagonist	Falsodex		
BANNED	S1		Furazabol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Furazadrol	Anabolic	Lacks FDA approval		
BANNED	S0		Furfenorex	Stimulant	Lacks FDA approval		
CONTROLLED- (Permitted at all times during Workouts, Official Workouts, and other training exercise (2-year old Covered Horses and Covered Horses of any age participating in a Stakes Race)	S7	C	Furosemide	Diuretic	Lasix, Salix	Restricted Administration <u>Administration</u> Period: 48 hrs <u>hours</u> prior to Post-Time. 1 mg/kg single IV dose (6 horses)	50 ng/mL in urine or 0.1 ng/mL in serum or plasma.
CONTROLLED- where permitted on race	S7	C	Furosemide (where permitted by exemption)	Diuretic	Lasix, Salix	Shall not be administered within <u>Restrict</u>	100 ng/mL in serum or plasma AND urine S.G.

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
day CONTROLLED (Covered Horses aged 3 or older that are not participating in a Stakes Race)						Administration Period: 4 hours prior to Post-Time	< 1.010.
CONTROLLED	S7	B	Gabapentin	Anticonvulsant	Horizant, Gralise, Neurontin		
BANNED	S0		Galantamine	Acetylcholinesterase inhibitor	Razadyne		
BANNED	S0		Gallamine	Muscle relaxant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Gamma Aminobutyric Acid (GABA)	Neurotransmitter	Endogenous substance		
BANNED	S0		Gamma-butyrolactone (GBL)	Neurohormone	Lacks FDA approval		
BANNED	S0		Gamma-hydroxybutyrate (GHB)	CNS depressant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
BANNED	S0		Gepirone	Antidepressant	Lacks FDA approval		
BANNED	S1		Gestrinone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		GH-Releasing Peptides (ghrps), e.g., alexamorelin, GHRP-6, hexarelin and pralmorelin (GHRP-2)	Growth Hormone			
BANNED	S0	(x)	Glaucine	Antitussive	Lacks FDA approval.		0.5 ng/mL in serum or plasma.
BANNED	S0		Glutethimide (chlorhexidol)	Sedative	Discontinued, no FDA-approved product commercially available. DEA Schedule II		
CONTROLLED	S7	C	Glycopyrrolate	Anticholinergic	Robinul	Detection Time: 48 hours. 1 mg single dose IV. (20 horses)	0.003 ng/mL in serum or plasma.
CONTROLLED —fillies and	S7	B	Gonadorelin	Induce ovulation	Cystorelin, Factrel, Fertelin, OvaCyst,		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>Limit</u> <u>Limit</u> *
mares					Fertagyl, Gonabree <u>Gonabreed</u>		
BANNED— intact males <u>Intact Males</u> and geldings	S4		Gonadorelin	Reproductive hormone modulator	Cystorelin, Factrel, Fertelin, OvaCyst, Fertagyl, Gonabreed		
BANNED	S2		Goserelin	Reproductive hormone modulator	Zoladex		
BANNED	S1		Growth Hormone Releasing Hormone (GHRH)	Anabolic			
CONTROLLED	S7	C	Guaifenesin (glycerol guaiacolate)	Expectorant	Mucinex	Detection Time: 48 hrs. 2 grams total body dose, orally twice daily for 5 doses. (9 horses)	1 ng/mL in serum or plasma.
BANNED	S <u>S0</u>		<u>Guanabenz</u>	Antihypertensive	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S0		Guanadrel	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Guanethidine	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Guanoclor	Antihypertensive	Lacks FDA approval		
BANNED	S0		Halazepam	Sedative/Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV		
CONTROLLED	S7	C	Halcinonide	Corticosteroid	Halog		
BANNED	S0		Haldrol	Anabolic	Lacks FDA approval		
CONTROLLED	S7	C	Halobetasol	Corticosteroid	Lexette, Bryhali, Ultravate		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Haloperidol	Antipsychotic	Haldol		
BANNED	S0		Haloxazolam	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Harmaline	Psychoactive	Lacks FDA approval		
CONTROLLED	S7	B	Harpagoside (Devil's Claw)	Anti-inflammatory	Glycoside of plantplant origin. No FDA-approved products commercially available. Constituent of multiple, unregulated OTC herbal remedies		
BANNED	S2		Hepatocyte Growth Factor (HGF)	Growth Hormone			
BANNED	S0		Heptaminol	Cardiac stimulant			
BANNED	S0		Hexafluorenium	Muscle relaxant	Discontinued, no FDA-approved product commercially available		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Hexobarbital	Sedative	Lacks FDA approval		
BANNED	S0		Hexocyclium	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Hexylcaine	Local anesthetic	Discontinued, no FDA-approved product commercially available		
BANNED	S3		Higenamine (norclaurine, demethylcoclaurine)	Bronchodilator	Constituent of numerous OTC dietary supplements marketed for weight loss or as sports/energy supplements. Lacks FDA approval		
BANNED	S0		Histapyrrodine	Antihistamine	Lacks FDA approval		
BANNED	S4		Histrelin	GnRH agonist	Supprelin LA, Vantas		
CONTROLLED	S7	B	Homatropine	Anticholinergic	Hycodan [with		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
					hydrocodone]		
BANNED	S0		Homophenazine	Antipsychotic	Lacks FDA approval		
CONTROLLED	S7	A (x)	Hordenine	Stimulant	Plant alkaloid (e.g. barley). Constituent of numerous OTC dietary supplements marketed for weight loss. Lacks FDA approval.		80 mcg/mL total (free and conjugated) in urine.
CONTROLLED	S7	B	Hydralazine	Vasodilator	Hydra-Zide, Bidi <u>Bidil</u>		
BANNED	S5		Hydrochlorothiazide	Diuretic	Lotensin (with bisoprolol); Vaseretic (with enalapril); Avilide (with irbesartan); Zestoretic (with lisinopril); Lopressor (with metoprolol); Micardis (with telmisartan); and other <u>others</u>		
BANNED	S0		Hydrocodone (dihydrocodienone)	Opioid Analgesic	Hysingla; Apadaz, Anexsia (with acetaminophen);		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit*
					Hycodan (with homatropine) DEA Schedule II		
CONTROLLED	S7	C	Hydrocortisone	Corticosteroid	Cortef. Note: hydrocortisone is a component of numerous products, particularly those for topical, ophthalmic, and otic applications. The Responsible Person is advised to read all medication labels prior to authorizing administration		Threshold: 1 mcg/mL in urine.
BANNED	S5		Hydroflumethiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Hydromorphenol	Opioid Analgesic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection <u>time</u> <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
BANNED	S0		Hydromorphone	Opioid Analgesic	Dilaudid. DEA Schedule II		
BANNED	S0		Hydroxyamphetamine	Stimulant	Paremyd (with tropicamide)		
BANNED	S0		Hydroxy-gamma amino butyric acid	Neurohormone	Lacks FDA approval		
BANNED	S0		Hydroxytestosterone	Anabolic	Lacks FDA approval		
CONTROLLED	S7	C	Hydroxyzine	Antihistamine	Atarax	Detection time: 96 hours. Hydroxyzine: 190 mg twice daily for a total of 9 doses (2 horses).	
BANNED	S6		Ibandronate	Bisphosphonate	Generic		
BANNED	S0		Ibogaine	Psychoactive	Lacks FDA approval. DEA Schedule I		
CONTROLLED	S7	C	Ibuprofen	NSAID	Advil, Motrin		
BANNED	S2		Ibutamoren	Growth Hormone	Investigational New Drug (in clinical		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					trials)		
CONTROLLED	S7	B	Ibutilide	Antiarrhythmic	Corvert		
BANNED	S0		Iloprost	Vasodilator	Ventavis		
CONTROLLED	S7	A	Imipramine	Antidepressant	Tofranil		
BANNED	S3		Indacaterol	Beta-2 agonist-bronchodilator	Discontinued, no FDA-approved product commercially available		
BANNED	S5		Indapamide	Diuretic	Generic		
CONTROLLED	S7	B	Indomethacin	NSAID	Indocin		
BANNED	S0		Indoprofen	NSAID	Lacks FDA approval		
BANNED	S0		Indoramin	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	B	Infliximab	Immunosuppressor	Remicade		
BANNED	S2		Insulin- like Growth Factor-1 (IGF-1) and its analogues	Peptide hormone			
BANNED	S2		Insulins	Anti-hyperglycemics			

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S2		IOX-2	Erythropoiesis	Lacks FDA approval		
BANNED	S2		Ipamorelin	Growth Hormone	Lacks FDA approval		
CONTROLLED	S7	B	Ipratropium	Bronchodilator	Atrovent	Detection Time: 120 hrs. 5.5 mcg/kg once daily via nebulization for 3 total doses (6 horses)	0.25 ng/mL in urine.
CONTROLLED	S7	B	Ipratropium bromide	Bronchodilator	Atrovent; Combivent (with albuterol)		
BANNED	S0		Iprindole	Antidepressant	Lacks FDA approval		
BANNED	S0		Iproniazid	Antidepressant	Lacks FDA approval		
BANNED	S0		Ipsapirone	Antidepressant	Lacks FDA approval		
BANNED	S5		Irbesartan	Antihypertensive	Avalide, Avapro		
<u>BANNED</u>	<u>S6</u>		<u>Iron Dextran</u> <u>Colloquial name: Pig Iron</u>	<u>Iron deficiency anemia treatment</u>			
BANNED	S0		Isoaminile	Antitussive	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
BANNED	S0		Isocarboxazid	Antidepressant	Marplan		
BANNED	S0		Isoetharine	Bronchodilator	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	C	Isoflupredone	Corticosteroid	Predef 2x	14 day stand down for all intra-articular injections. Serum concentrations associated with an experimental dose of 8 mg IA single joint (6 horses) were all below Limit of Detection by 14 days.	
BANNED	S0		Isomethadone (isoamidone)	Synthetic opioid analgesic	Lacks FDA approval. DEA Schedule <u>III</u>		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Isometheptene	Sympathomimetic	Lacks FDA approval		
BANNED	S0		Isopropamide	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S3		Isoproterenol	Beta-2 agonist	Generic		
BANNED	S0		Isopyrin (Raminfenazone)	NSAID	Lacks FDA approval		
CONTROLLED	S7	B	Isosorbide dinitrate	Vasodilator	Isordil		
BANNED	S0		Isothipendyl	Antihistamine	Lacks FDA approval		
BANNED	S0		Isoxicam	NSAID	Lacks FDA approval		
BANNED	S0		Isradipine	Antihypertensive	Generic		
BANNED	S0		Isoxsuprine	Vasodilator	Lacks FDA approval		
BANNED	S0		Kebuzone	NSAID	Lacks FDA approval		
CONTROLLED	S7	B	Ketamine/norketamine	Anesthetic	Ketaset, Vetalar. DEA Schedule III		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Ketazolam	Sedative/Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	C	Ketoprofen	NSAID	Ketofen	Detection Time: 48 hrs. 2.2 mg/kg single IV dose. (24 horses)	2 ng/mL in serum or plasma. Note: The detection of more than one NSAID in a horse's post-Race or Post-Official Workout blood sample <u>Post-Race or Post-Vets' List Work blood Sample</u> constitutes a Stacking Violation. 3 NSAIDs (Flunixin, Ketoprofen, Phenylbutazone) are associated with a Detection Time of 48 hours. Only one of the three <u>3</u> may be administered using a Withdrawal Interval <u>Time</u> based on the 48 hour Detection Time. To avoid a stacking violation (detection of more than 1 NSAID in a blood

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening Limit <u>Limit</u> *
							sample) the following secondary Detection Times should be applied for the following NSAIDs: Flunixin: 144 hours; Ketoprofen 96 hours; Phenylbutazone: 168 hours.
CONTROLLED	S7	A	Ketorolac	NSAID	Acular, Acuvail, Sprix, Omidria		
CONTROLLED	S7	B	Ketotifen	Antihistamine	Alaway, Zaditor		
BANNED	S2		Krypton	Hypoxia Inducible Factor activating			
BANNED	S0		Labetalol	Antihypertensive	Trandate		
CONTROLLED	S7	A	Lamotrigine	Anticonvulsant	Lamictal		
BANNED	S4		Landogrozumab	Myostatin inhibitor	Lacks FDA approval		
CONTROLLED	S7	<u>ED</u>	Lansoprazole	Anti-ulcer	Prevacid	<u>Restricted Administration Period: 24 hours prior to Post-Time</u>	

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S2		Lenomorelin (ghrelin)	Growth Hormone	Lacks FDA approval		
BANNED	S0		Lenperone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Leptazole (Pentylentetrazole)	Stimulant	Lacks FDA approval		
BANNED	S0		Letosteine	Mucolytic	Lacks FDA approval		
BANNED	S2		Letrozole	Aromatase inhibitor	Femara		
BANNED	S2		Leuprorelin (leuprolide)	Reproductive hormone modulator	Eligard Kit, Fensolvi Kit, Camcevi Kit		
BANNED	S0		Levallorphan	Opioid Antagonist	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Levamisole	Anthelmintic / <u>Anti-parasitic</u> /Immunostimulant	Ripercol, Tramisol, Levasole, Prohibit, LevaMed		
BANNED	S0		Levobunolol	Antihypertensive	Betagan		
BANNED	S0		Levocabastine	Antihistamine	Discontinued, no FDA-approved product		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					commercially available		
BANNED	S0		Levodopa	Decarboxylase Inhibitor	Inbrija; Stalevo, Rytary, Duopa, Dhivy, Sinemet (all with carbidopa)		
BANNED	S0		Levomethadone	Opioid Analgesic	Lacks FDA approval		
BANNED	S0		Levomethorphan	Opioid Analgesic	Lacks FDA approval. DEA Schedule II		
BANNED	S0		Levophacetoperane	Psychostimulant	Lacks FDA approval		
BANNED	S0		Levorphanol	Opioid Analgesic	Generic. DEA Schedule II		
BANNED	S3		Levosalbutamol (levalbuterol)	Beta-2 agonist-bronchodilator	Xopenex		
BANNED	S4		Levothyroxine	Metabolic hormone	Thyro-Tabs, ThyroKare, Tirosint, Ermeza, Euthyrox, Levolet, Synthroid, Levoxyl, Unithroid		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
CONTROLLED	S7	B	Lidocaine	Local anesthetic	Xylocaine [with epinephrine], Lignospan, Ztlido, Akten	Detection Time: 48 hours. 200 mg of lidocaine as its hydrochloride salt administered subcutaneously (6 horses)	10 ng/mL as 3-hydroxylidocaine in urine; 0.02 ng/mL as 3-hydroxylidocaine in serum or plasma.
BANNED	S0		Lidoflazine	Vasodilator	Lacks FDA approval		
BANNED	S4		Ligandrol (LGD-4033)	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval		
BANNED	S0		Lisinopril	Antihypertensive	Zestoretic, Qbrelis		
BANNED	S0		Lithium	Mood Stabilizer	Lithobid		
BANNED	S0	(x)	Lobeline	Respiratory Stimulant	Plant alkaloid (<u>e.g.</u> , Lobelia, Indian Tobacco) Environmental substance. Lacks FDA approval.		2 ng/mL in serum or plasma.
BANNED	S0		Lofentanil	Opioid Analgesic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Lofepramine	Antidepressant	Lacks FDA approval		
BANNED	S0		Loflazepate, Ethyl	Anxiolytic	Lacks FDA approval		
BANNED	S2		Lonapegsomatropin	Growth Hormone	FDA Orphan Drug		
CONTROLLED	S7	B	Loperamide	Anti-diarrheal	Imodium		
BANNED	S0		Loprazolam	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	C	Loratidine Loratadine	Antihistamine	Claritin		
BANNED	S0		Lorazepam	Anxiolytic	Ativan. DEA Schedule IV		
BANNED	S0		Lormetazepam	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Lornoxicam	NSAID	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Losartan	Antihypertensive	Cozaar, Hyzaar [with hydrochlorothiazide]		
BANNED	S0		Loxapine	Antipsychotic	Adasuve		
BANNED	S3		Lubabegron	Beta adrenergic modulator	Experior		
BANNED	S0		Lumiracoxib	NSAID	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S2		Luspatercept	Erythropoiesis	FDA Orphan Drug		
CONTROLLED —fillies and mares	S7	B	Luteinizing Hormone (LH)	Reproductive hormone modulator			
BANNED— intact males <u>Intact Males</u> and geldings	S2		Luteinizing Hormone (LH)	Reproductive hormone modulator			
BANNED	S3		Mabuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S2		Macimorelin	Growth Hormone	Macrilen		
CONTROLLED	S7	B	Magnesium sulfate	Sedative/Laxative	Generic		
BANNED	S0		Maprotiline	Antidepressant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Mazindol	Stimulant	Discontinued, no FDA-approved product commercially available. DEA		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					Schedule IV		
BANNED	S0		Mebanazine	Antidepressant	Lacks FDA approval		
BANNED	S0		Mebeverine	Antispasmodic	Lacks FDA approval		
BANNED	S0		Mebhydroline (Mebhydrolin)	Antihistamine	Lacks FDA approval		
BANNED	S0		Mebutamate	Sedative/Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV		
BANNED	S0		Mecamylamine	Vasodilator	Generic		
BANNED	S2		Mechano Growth Factors (MGFs)	Growth Hormone			
BANNED	S0		Meclizine	Antihistamine	Antivert		
CONTROLLED	S7	B	Meclofenamic acid	NSAID	Discontinued, no FDA-approved product commercially available. Routinely		

HISA listed as	HISA status	Penalty subclassification (specified substances) <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					compounded		
BANNED	S1		Meclofenoxate	Cholinergic nootropic	Lacks FDA approval		
BANNED	S0	(x)	Meconine	Opioid	Lacks FDA approval		
BANNED	S0		Medazepam	Sedative/Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	B	Medetomidine	Sedative/Analgesic	Domitor, Placadine		5 ng/mL as 3-hydroxymedetomidine in urine.
CONTROLLED <u>BANNED</u>	S7 <u>S4</u>	B	Medroxyprogesterone	Reproductive hormone	Depo-Provera		
BANNED	S0		Medrylamine	Antihistamine	Lacks FDA approval		
BANNED	S0		Medrysone	Corticosteroid	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Mefenamic acid	NSAID	Ponstel		
BANNED	S0		Mefenorex	Stimulant	Lacks FDA approval. DEA Schedule IV		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Mefexamide	Stimulant	Lacks FDA approval		
BANNED	S0		Mefruside	Diuretic	Lacks FDA approval		
BANNED	S2 S4		Meldonium	Anti-ischemic	Lacks FDA approval		
CONTROLLED	S7	B	Meloxicam	NSAID	Metacam		
BANNED	S0		Melperone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Memantine	Alzheimer's treatment	Namenda; Namzaric (with donepezil)		
BANNED	S0		Meparfynol (methylpentynol)	Sedative	Lacks FDA approval		
BANNED	S0		Mepazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Mepednisone	Corticosteroid	Lacks FDA approval		
BANNED	S0		Mepenzolate	Anti-ulcer	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Meperidine	Opioid analgesic	Demerol. DEA Schedule II		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Mephenesin	Muscle relaxant	Lacks FDA approval		
BANNED	S0		Mephenoxalone	Muscle relaxant	Lacks FDA approval		
BANNED	S0		Mephentermine	Cardiac stimulant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Mephenytoin	Anticonvulsant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Mephobarbital (Methylphenobarbital)	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Mepindolol	Beta blocker	Lacks FDA approval		
CONTROLLED	S7	B	Mepivacaine	Local anesthetic	Carbocaine, Polocaine, Scandonest	Detection Time: 72 hrs. 40 mg (2 ml) single dose SQ in urine; 0.05 ng/mL in distal limb (6 horses)	10 ng/mL as 3-hydroxymepivacaine in urine; 0.05 ng/mL in serum or plasma.

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S0		Meprobamate (Meprobamate is a metabolite of carisoprodol. If there is credible evidence that the presence of meprobamate in a horse's sample is the consequence of carisoprodol administration, the classification of meprobamate may be revised to S7(A).)	Anxiolytic	Generic. DEA Schedule IV		
BANNED	S0		Meprylcaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Meptazinol	Narcotic	Lacks FDA approval		
BANNED	S5		Meralluride	Diuretic	Lacks FDA approval		
BANNED	S5		Merbaphen	Diuretic	Lacks FDA approval		
BANNED	S5		Mercaptomerin	Diuretic	Lacks FDA approval		
BANNED	S0		Mersalyl	Diuretic	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time Time	Screening limit Limit*
					available		
CONTROLLED	S7	C	Mesalamine (mesalazine)	Anti-inflammatory	Delzicol, Pentasa, Sfrowasa, Canasa, Lialda		
BANNED	S0		Mesocarb	Stimulant	Lacks FDA approval		
BANNED	S0		Mesoridazine	Antipsychotic	Discontinued, no FDA-approved product commercially available		
BANNED	S1		Mestanolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Mesterolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Metaclazepam	Anxiolytic	Lacks FDA approval		
BANNED	S1		Metandienone	Anabolic	Lacks FDA approval		
BANNED	S3		Metaproterenol (Orciprenaline)	Beta-2 agonist-bronchodilator	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Metaraminol	Antihypotensive	Generic		
BANNED	S0		Metaxalone	Muscle relaxant	Skelaxin		
BANNED	S0		Metazocine	Opioid analgesic	Lacks FDA approval. DEA Schedule II		
BANNED	S1		Metenolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Metformin	Anti-hyperglycemic	Fortamet, Glumetza, Glucophage		
BANNED	S0		Methacholine	Bronchoconstrictor	Provocholine		
BANNED	S0		Methadone	Synthetic opioid agonist	Methadose. DEA Schedule II		
BANNED	S0		Methallenestril	Synthetic estrogen	Lacks FDA approval		
BANNED	S0		Methamphetamine	Stimulant	Desoxyn. DEA Schedule II		
BANNED	S1		Methandienone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Methandriol (Methylandrostenediol)	Anabolic	Lacks FDA approval. DEA Schedule III		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening Limit *
BANNED	S1		Methandrostenolone	Anabolic	Lacks FDA approval		
BANNED	S0		Methantheline	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Methapyrilene	Antihistamine	Lacks FDA approval		
BANNED	S0		Methaqualone	Sedative	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Metharbital	Sedative	Discontinued, no FDA-approved product commercially available		
BANNED	S1		Methasterone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Methazolamide	Carbonic Anhydrase Inhibitor	Generic		
BANNED	S0		Methcathinone	Stimulant	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Methdilazine	Antihistamine	Discontinued, no FDA-approved		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
					product commercially available		
BANNED	S1		Methenolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Methimazole	Anti-thyroid	Generic		
BANNED	S0		Methixene	Anticholinergic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	C	Methocarbamol	Muscle relaxant	Robaxin	Detection Time: 48 hours. 15 mg/kg single IV dose. (20 horses)	1 ng/mL in serum or plasma.
BANNED	S0		Methohexital	Sedative	Brevital		
CONTROLLED	S7	B	Methotrexate	Immunomodulator	Otrexup, Rasuvo, Reditrex, Trexall		
BANNED	S0		Methotrimeprazine	Antipsychotic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Methoxamine	Stimulant	Discontinued, no FDA-approved product commercially available		
BANNED	S3		Methoxyphenamine	Bronchodilator	Lacks FDA approval		
BANNED	S2		Methoxypolyethylene glycol-epoetin beta (CERA)	Erythropoiesis	Micera		
BANNED	S0		Methoxytyramine (3-)	Neuromodulator	Endogenous substance		Threshold: 4 mcg/mL total (free and conjugated) 3-methoxytyramine per mL in urine.
BANNED	S0		Methscopolamine (Methylscopolamine)	Anticholinergic	Generic		
BANNED	S0		Methsuximide	Anticonvulsant	Celontin		
BANNED	S1		Methyl-1-testosterone	Anabolic	Android 25. DEA Schedule III		
BANNED	S0		Methylaminorex	Stimulant	Lacks FDA approval.		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					DEA schedule I		
BANNED	S0		Methylatropine	Anticholinergic	Lacks FDA approval		
BANNED	S0		Methylchlorothiazide (Methylclothiazide)	Diuretic	Lacks FDA approval		
BANNED	S1		Methylclostebol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S5		Methylclothiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
BANNED	S1		Methyldienolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Methyldopa	Antihypertensive	Generic		
BANNED	S0		Methylenedioxymphetamine (MDA)	Stimulant	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Methylenedioxyethylamphetamine (MDEA)	Stimulant	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Methylenedioxymethamphetamine (MDMA)	Stimulant	Lacks FDA approval. DEA Schedule I		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Methylephedrine	Stimulant	Lacks FDA approval		
CONTROLLED	S7	C	Methylergonovine	Ergot alkaloid	Methergine		
BANNED	S0		Methylhexanamine (Methylhexaneamine)	Stimulant	Lacks FDA approval		
BANNED	S0		Methylmethcathinone	Stimulant	Lacks FDA approval		
BANNED	S1		Methylnortestosterone (Trestolone)	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Methylphenidate	Stimulant	Ritalin. DEA Schedule II		
CONTROLLED	S7	C	Methylprednisolone	Corticosteroid	Depo-Medrol		
BANNED	S0		Methylprylone (methprylon)	Sedative	Lacks FDA approval		
BANNED	S0		Methylpseudoephedrine	Stimulant	Lacks FDA approval		
CONTROLLED	S7	C	Methylsalicylate	NSAID	Salonpas (with menthol)		
CONTROLLED	S7	C	Methylsulfonylmethane (MSM)	Anti-inflammatory	Feed contaminant per IFHA		1200 mcg/mL in urine.
BANNED	S1		Methyltestosterone	Anabolic	Android 25. DEA		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					Schedule III		
BANNED	S1		Methyltrienolone (metribolone)	Anabolic	Lacks FDA approval. DEA Schedule III.F89 <u>III</u> .		
BANNED	S0		Methypylon	Sedative	Discontinued, no FDA-approved product commercially available. DEA Schedule III		
BANNED	S0		Methysergide	Ergot alkaloid	Discontinued, no FDA-approved product commercially availabl <u>available</u>		
BANNED	S0		Metiamide	Antihistamine	Lacks FDA approval		
BANNED	S5		Metricrane	Diuretic	Lacks FDA approval		
BANNED	S0		Metipranolol	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	C	Metoclopramide	Anti-emetic/Prokinetic	Gimoti, Reglan		
BANNED	S0		Metocurine	Muscle relaxant	Discontinued, no FDA-approved		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time Time	Screening limit Limit *
					product commercially available		
BANNED	S5		Metolazone	Diuretic	Generic		
BANNED	S0		Metomidate	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Metopon (methyldihydromorphinone)	Opioid analgesic	Lacks FDA approval. DEA Schedule II		
BANNED	S0		Metoprolol	Antihypertensive	Lopressor		
BANNED	S0		Metrenperone	Myositis preventative	Lacks FDA approval		
BANNED	S1		Metribolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Metyrapone	Hydrocortisone synthesis inhibitor	Metopirone		
BANNED	S0		Mexazolam	Anxiolytic	Lacks FDA approval		
CONTROLLED	S7	B	Mexiletine	Antiarrhythmic	Generic		
BANNED	S0		Mianserin	Antidepressant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Mibefradil	Antihypertensive	Lacks FDA approval		
BANNED	S1		Mibolerone	Anabolic	Cheque Drops. DEA Schedule III		
CONTROLLED	S7	B	Midazolam	Anticonvulsant	Seizalam. DEA Schedule IV		
BANNED	S0		Midodrine	Antihypotensive	Orvaten		
CONTROLLED	S7	B	Milrinone	Vasodilator	Generic		
BANNED	S0		Minoxidil	Antihypertensive	Rogaine		
BANNED	S0		Mirtazapine	Antidepressant	Remeron		
CONTROLLED	S7	C	Misoprostol	Prostaglandin analog	Cytotec	Detection Time: 48 hrs. 5 mcg/kg orally twice daily for 14 days. (6 horses)	
BANNED	S0		Mitragynine	Stimulant	Lacks FDA approval		
BANNED	S0		Mivacurium	Muscle relaxant	Generic		
BANNED	S0		Modafinil	Stimulant	Provigil. DEA Schedule IV		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Moexipril (metabolite, moexiprilat)	Antihypertensive	Generic		
BANNED	S0		Mofebutazone	NSAID	Lacks FDA approval		
BANNED	S2		Molidustat (BAY 85-3934)	Erythropoiesis	Lacks FDA approval		
BANNED	S0		Molindone	Antipsychotic	Generic		
CONTROLLED	S7	C	Mometasone	Corticosteroid	Asmanex, Sinuva, Elocon, Ryaltris, Nasonex		
CONTROLLED	S7	C	Montelukast	Leukotriene receptor antagonist	Singulair		
BANNED	S0		Moperone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Moprolol	Antihypertensive	Lacks FDA approval		
BANNED	S0		Morpheridine	Analgesic	Lacks FDA approval		
CONTROLLED	S7	A (x)	Morphine	Opioid Analgesic	Duramorph, Infumorph, Mitigo, MS Contin. DEA Schedule II; Dietary substance per IFHA		30 ng/mL total (free and conjugated) in urine.
BANNED	S0		Mosapramine	Antipsychotic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Moxaverine	Vasodilator	Lacks FDA approval		
BANNED	S0	(x)	Muscarine	Cholinergic	Plant alkaloid		
BANNED	S0		Myo-inositol trispyrophosphate (ITPP, OXY111A)	Oxygen transfer	Lacks FDA approval		
CONTROLLED	S7	B	Nabumetone	NSAID	Generic		
BANNED	S0		Nadolol	Antihypertensive	Corgard		
BANNED	S0		Nadoxolol	Antihypertensive	Lacks FDA approval		
BANNED	S0		Naepaine	Local anesthetic	Lacks FDA approval		
BANNED	S2		Nafarelin	Reproductive hormone modulator	Synarel		
BANNED	S0		Naftidrofuryl	Vasodilator	Lacks FDA approval		
BANNED	S0		Nalbuphine	Opioid receptor agonist and antagonist	Generic		
CONTROLLED	S7	A	Nalmefene	Opioid antagonist	Revex		
BANNED	S0		Nalorphine	Opioid receptor agonist and antagonist	Nalline. DEA Schedule III.F94III.		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
CONTROLLED	S7	B	Naloxone	Opioid antagonist	Narcan, Zimhi, Suboxone (with buprenorphine hydrochloride), Zubsolv (with buprenorphine hydrochloride)		
CONTROLLED	S7	A	Naltrexone	Opioid antagonist	Trexonil		
BANNED—fillies, mares and geldings	S1		Nandrolone (19-nortestosterone)	Anabolic	Discontinued, no FDA-approved product commercially available. DEA schedule III		
CONTROLLED	S7	B	Naphazoline	Sympathomimetic	Naphcon-A (with pheniramine maleate), Opcon-A (with pheniramine maleate), Visine (with pheniramine maleate)		
CONTROLLED	S7	C	Naproxen	NSAID	Aleve, Naprosyn, Anaprox		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Naratriptan	Selective Serotonin Receptor Agonist	Amerge		
CONTROLLED	S7	C	N-Butylscopolammonium	Anticholinergic	Buscopan	Detection Time: 48 hrs. 0.3 mg/kg single IV dose (6 horses)	25 ng/mL in urine.
BANNED	S0		Nebivolol	Antihypertensive	Bystolic		
CONTROLLED	S7	C	Nedocromil	Mast Cell Stabilizer	Alocril		
BANNED	S0		Nefazodone	Antidepressant	Generic		
BANNED	S0		Nefopam	Analgesic	Lacks FDA approval		
CONTROLLED	S7	B	Neostigmine	Anticholinesterase	Bloxiverz		
BANNED	S6		Neridronate	Bisphosphonate	Lacks FDA approval		
BANNED	S0		Nialamide	Antidepressant	Lacks FDA approval		
BANNED	S0		Nicardipine	Antihypertensive	Generic		
BANNED	S0		Nicoumalone	Anticoagulant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Nifedipine	Antihypertensive	Procardia		
BANNED	S0		Nifenalol	Antihypertensive/Antiarrhythmic	Lacks FDA approval		
BANNED	S0		Niflumic acid	NSAID	Lacks FDA approval		
BANNED	S0		Nikethamide	Stimulant	Lacks FDA approval		
BANNED	S0		Nimesulide	NSAID	Lacks FDA approval		
BANNED	S0		Nimetazepam	Hypnotic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Nimodipine	Calcium channel blocker	Generic		
BANNED	S0		Nitrazepam	Sedative/Anxiolytic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Nitroglycerin	Vasodilator	Nitromist, Nitro-Dur, Nitrostat		
CONTROLLED	S7	C	Nizatidine	Anti-ulcer	Axid	Restricted Administration Period: 48 hours prior to Post-Time	
BANNED	S0		Nomifensine	Antidepressant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S1		Norandrostediol	Anabolic	Lacks FDA approval		
BANNED	S1		Norandrostedione	Anabolic	Lacks FDA approval		
BANNED	S1		Norandrosterone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Norbolethone/Norboletone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Norclostebol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Nordiazepam/Nordazepam (Nordiazepam is a metabolite of diazepam. If there is credible evidence that the presence of nordiazepam in a horse's sample is the consequence of exposure to diazepam, the classification of nordiazepam may be revised to S7(A).)	Sedative/Anxiolytic	Lacks FDA approval. DEA Schedule IV		
CONTROLLED	S7	A	Norepinephrine	Stimulant	Levophed		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S1		Norethandrolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Norethisterone (norethindrone)	Anabolic	Combipatch, Activella, Amabelz, Nortrel, Alyacen, Aranelle and multiple others (with estradiol)		
BANNED	S0		Norfenefrine	Antihypotensive	Lacks FDA approval		
BANNED	S0		Norfenfluramine	Stimulant	Lacks FDA approval		
BANNED	S0		Norfluoxetine (Siproxetine)	Antidepressant	Lacks FDA approval		
BANNED	S0		Norpseudoephedrine (cathine)	Stimulant	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Nortriptyline	Antidepressant	Pamelor		
BANNED	S0		Noscapine	Antitussive	Lacks FDA approval		
BANNED	S0		Nylidrin (buphenine)	Vasodilator	Lacks FDA approval		
BANNED	S0		Octopamine (Octopamine)	Stimulant	Lacks FDC approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
			is a metabolite of ephedrine. If there is credible evidence that the presence of octopamine is a consequence of exposure to ephedrine, the classification of octopamine may be revised to S7(A).				
BANNED	S0		Olanzapine	Antipsychotic	Zyprexa		
BANNED	S0		Oliceridine	Opioid agonist	Olinvk. DEA Schedule II		
BANNED	S0		Olmesartan	Antihypertensive	Benicar (with medoxomil)		
BANNED	S3		Olodaterol	Beta-2 agonist-bronchodilator	Striverdi Respimat, Stiolto Respimat (with tiotropium bromide)		
BANNED	S6		Olpadronate	Bisphosphonate	Lacks FDA approval		
CONTROLLED	S7	C	Olsalazine	Anti-inflammatory	Diipentum		
CONTROLLED	S7	GD	Omeprazole	Anti-ulcer	Gastrogard	Restricted administration	10 ng/mL in serum or plasma as omeprazole

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
						<u>time</u> Administration Period: 24 hours <u>prior to</u> Post-Time. 2.2 g orally once daily for 4 doses (9 horses)	sulfide.
BANNED	S0		Opipramol	Antidepressant	Lacks FDA approval		
BANNED	S3		Orciprenaline (Metaproterenol)	Beta-2 agonist-bronchodilator	Generic		
BANNED	S0	(x)	Oripavine	Opioid	Plant alkaloid. DEA schedule III		
BANNED	S0		Orphenadrine	Muscle relaxant	Generic		
BANNED	S4		Ospemifene	Selective Estrogen Receptor Modulator (SERM)	Osphena		
BANNED	S1		Ostarine (enobosarm)	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval		
BANNED	S1		Oxabolone	Anabolic	Lacks FDA approval		
BANNED	S0		Oxaflumazine	Psychosedative	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with “(x)”)	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
BANNED	S1		Oxandrolone	Anabolic	Generic. DEA Schedule III		
BANNED	S0		Oxaprozin	NSAID	Daypro		
BANNED	S0		Oxazepam (Oxazepam is a metabolite of diazepam. If there is credible evidence that the presence of oxazepam in a horse's sample is the consequence of exposure to diazepam, the classification of oxazepam may be revised to S7(A).)	Anxiolytic	Generic. DEA Schedule IV		
BANNED	S0		Oxazolam	Sedative/Anxiolytic	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Oxcarbazepine	Anticonvulsant	Generic		
BANNED	S0		Oxethazaine (Oxetacaine)	Local anesthetic	Lacks FDA approval		
BANNED	S0		Oxilofrine (hydroxyephedrine)	Stimulant	Lacks FDA approval		
BANNED	S0		Oxolamine	Antitussive	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
BANNED	S0		Oxprenolol	Antihypertensive	Lacks FDA approval		
CONTROLLED	S7	C	Oxybuprocaine (Benoxinate, oxybucaine)	Local anesthetic	Atafluor Benox		
BANNED	S0		Oxycodone	Opioid Analgesic	Oxycontin, Roxybond, Roxicodone, Oxaydo, Xtampza; Percocet, Percodan, Oxycet (with NSAID). DEA Schedule II		
BANNED	S1		Oxyguno	Anabolic	Lacks FDA approval		
BANNED	S1		Oxymesterone	Anabolic	Lacks FDA approval. DEA Schedule III		
CONTROLLED	S7	B	Oxymetazoline	Nasal decongestant	Rhofade, Upneq, Visine		
BANNED	S1		Oxymetholone	Anabolic	Discontinued, no FDA-approved product commercially available. DEA		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					Schedule III		
BANNED	S0		Oxymorphone	Opioid analgesic	Generic. DEA Schedule II		
BANNED	S0		Oxypertine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Oxyphencyclimine	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Oxyphenonium	Anticholinergic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Oxytocin	Uterine contraction	Pitocin		
BANNED	S0		Paliperidone	Antipsychotic	Invega		
BANNED	S0		Palmitoylethanolamid	Anti-inflammatory	Lacks FDA approval		
BANNED	S6		Pamidronate	Bisphosphonate	Generic		
CONTROLLED	S7	A	Pancuronium	Muscle relaxant	Generic		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
CONTROLLED	S7	<u>CD</u>	Pantoprazole	Anti-ulcer	Protonix	<u>Restricted Administration Period: 24 hours prior to Post-Time</u>	
BANNED	S0	(x)	Papaverine	Vasodilator	Plant alkaloid		
BANNED	S0		Paraldehyde	Anticonvulsant	Lacks FDA approval. DEA Schedule IV		
BANNED	S0		Paramethadione	Anticonvulsant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Paramethasone	Corticosteroid	Discontinued, no FDA-approved product commercially available		
BANNED	S0	(x)	Paraxanthine (Paraxanthine is a metabolite of caffeine. If there is credible evidence that the presence of paraxanthine in a horse's	Stimulant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with <u>(x)</u>)	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
			sample is the consequence of exposure to caffeine, the classification of paraxanthine may be revised to S7(B).)				
BANNED	S0		Parecoxib	NSAID	Lacks FDA approval		
BANNED	S0		Pargyline	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Paroxetine	Antidepressant	Paxil		
BANNED	S2		Pegepoietin	Erythropoiesis	Micera		
BANNED	S2		Peginesatide	Erythropoiesis	Discontinued, no FDA-approved product commercially available		
BANNED	S0	<u>(x)</u>	Pemoline (Pemoline is a metabolite of aminorex, which is a metabolite of levamisole. If there is	Stimulant	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time Time	Screening limit Limit *
			credible evidence that the detection of pemoline in a horse's sample is the consequence of exposure to levamisole, the classification of pemoline may be revised to S7(B).)		available. DEA Schedule IV		
BANNED	S0		Pempidine	Ganglion blocker/antihypertensive	Lacks FDA approval		
BANNED	S0		Penbutolol	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Penfluridol	Antipsychotic	Lacks FDA approval		
BANNED	S0		Pentaerythritol tetranitrate	Vasodilator	Lacks FDA approval		
CONTROLLED	S7	B	Pentazocine	Opioid analgesic	Generic (with naloxone hydrochloride). DEA Schedule IV		
BANNED	S0		Pentetrazol	Stimulant	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Pentifylline	Vasodilator	Lacks FDA approval		
CONTROLLED	S7	A	Pentobarbital	Barbiturate	Nembutal. DEA Schedule II		
<u>CONTROLLED</u>	<u>S7</u>	<u>C</u>	<u>Pentosan</u>	<u>Anti-arthritic</u>	<u>Zycosan</u>		
CONTROLLED	S7	C	Pentoxifylline	Vasodilator	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Pentylene tetrazol	Stimulant	Lacks FDA approval		
BANNED	S2		Perfluorodecahydronaphthalene	Oxygen transfer	Lacks FDA approval		
BANNED	S0		Perfluorodecalin (Octadecafluoronaphthalene)	Oxygen transport	Lacks FDA approval		
BANNED	S2		Perfluorooctyl bromide	Oxygen transfer	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					available		
BANNED	S2		Perfluorotripropylamine	Oxygen transfer	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Pergolide	Dopamine agonist	Prascend		
BANNED	S0		Periciazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Perindopril	Antihypertensive	Generic, Prestalia (with amlodipine besylate)		
BANNED	S0		Perlapine	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Perphenazine	Antipsychotic	Generic		
BANNED	S0		Phenacemide	Anticonvulsant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Phenaglycodol	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Phenazocine	Opioid analgesic	Lacks FDA approval.		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
					DEA Schedule II		
BANNED	S0		Phenazone	NSAID	Lacks FDA approval		
CONTROLLED	S7	A	Phenazopyridine	Local anesthetic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Phencyclidine (PCP)	Dissociative hallucinogen	Lacks FDA approval. DEA Schedule I		
BANNED	S0		Phendimetrazine	Stimulant	Bontril. DEA Schedule IIII		
BANNED	S0		Phenelzine	Antidepressant	Nardil		
BANNED	S0		Phenibut	Anxiolytic	Lacks FDA approval		
BANNED	S0		Phenindamine	Antihistamine	Lacks FDA approval		
BANNED	S0		Phenindione	Anticoagulant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Pheniramine	Antihistamine	Bromfed-DM (with		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					dextromethorphan and pseudoephedrine)		
BANNED	S0		Phenmetrazine	Stimulant	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	A	Phenobarbital	Barbiturate	predates FDA, grandfathered. DEA schedule IV		
BANNED	S0		Phenoxybenzamine	Antihypertensive	Dibenzylamine		
BANNED	S0		Phenprocoumon	Anticoagulant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Phenpromethamine	Stimulant	Lacks FDA approval		
BANNED	S0		Phensuximide	Anticonvulsant	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
					available		
BANNED	S0		Phentermine	Stimulant	Adipex-P, Lomaira, Qsymia. DEA Schedule IV		
CONTROLLED	S7	B	Phentolamine	Vasodilator	Oraverse		
CONTROLLED	S7	C	Phenylbutazone	NSAID (3 NSAIDs (Flunixin, Ketoprofen, Phenylbutazone) are associated with a Detection Time of 48 hours. Only one of the <u>three</u> may be administered using a Withdrawal <u>Interval</u> <u>Time</u> based on the 48 hour Detection Time. To avoid a stacking violation (detection of more than 1 NSAID in a blood sample) the following secondary Detection Times should be applied for the following NSAIDs: Flunixin: 144 hours; Ketoprofen: 96 hours; Phenylbutazone: 168 hours.)	Butazolidin, Butatron, EquiBute, Phen Buta Vet, Bizolin, Butequine, Superiorbute, Pributazone	Detection Time: 48 hours. 4.4 mg/kg single IV dose. (17 horses)	<u>0.2 mcg</u> <u>300 ng</u> /mL in serum or plasma. Note: The detection of more than one NSAID in a horse's <u>post-Race-or-post-Official-Workout blood and sample</u> <u>Post-Race or Post-Vets' List Workblood Sample</u> constitutes a Stacking Violation.
CONTROLLED	S7	B	Phenylephrine	Stimulant	Biorphen		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Phenylpiracetam (Carphedon)	Stimulant	Lacks FDA approval		
BANNED	S0		Phenylpropanolamine	Stimulant	Proin		
BANNED	S0		Phenyltoloxamine	Antihistamine	Lacks FDA approval		
CONTROLLED	S7	B	Phenytoin	Anticonvulsant	Dilantin, Phenytek		
BANNED	S0		Pholcodine	Opioid antitussive	Lacks FDA approval; DEA Schedule I		
BANNED	S0		Pholedrine	Stimulant	Lacks FDA approval		
CONTROLLED	S7	A	Physostigmine	Acetylcholinesterase inhibitor	Antilirium		
BANNED	S0		Picrotoxin	Stimulant	Lacks FDA approval		
BANNED	S0		Piminodine	Opioid analgesic	Lacks FDA approval. DEA Schedule II		
BANNED	S1		Pimobendan	Cardiac stimulant	Vetmedin		
BANNED	S0		Pimozide	Antipsychotic	Generic		
BANNED	S0		Pinazepam	Anxiolytic	Lacks FDA approval. DEA		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					Schedule IV		
BANNED	S0		Pinazepam	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Pindolol	Antihypertensive	Generic		
BANNED	S0		Pipamazine	Anti-emetic	Lacks FDA approval		
BANNED	S0		Pipamperone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Pipecuronium	Muscle relaxant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Pipequaline	Anxiolytic	Lacks FDA approval		
BANNED	S0		Piper Methysticum (kava)	Anxiolytic/Anti-inflammatory	Lacks FDA approval		
BANNED	S0		Piperacetazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Piperidione	Sedative	Lacks FDA approval		
BANNED	S0		Piperidolate	Antispasmodic	Lacks FDA approval		
BANNED	S0		Piperocaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Piperoxan	Antihistamine/Antihypertensiv	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
				e			
BANNED	S0		Pipotiazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Pipradrol	Stimulant	Lacks FDA approval		
BANNED	S0		Piquindone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Piracetam	Stimulant	Lacks FDA approval		
BANNED	S0		Pirbuterol	Beta-2 agonist-bronchodilator	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Pirenzepine	Anticholinergic	Lacks FDA approval		
BANNED	S5		Piretanide	Diuretic	Lacks FDA approval		
BANNED	S0		Piritramide	Synthetic opioid analgesic	Lacks FDA approval		
CONTROLLED	S7	B	Piroxicam	NSAID	Feldene		
BANNED	S0		Pirprofen	NSAID	Lacks FDA approval		
BANNED	S6		Pitcher Plant Extract	Analgesic	Sarapin		
BANNED	S0		Pizotifen (Pizotyline)	Antimigraine	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S2		Platelet-Derived Growth Factor (PDGF)	Growth Hormone			
BANNED	S5		Polythiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	A	Potassium Bromide	Anticonvulsant/anxiolytic	KBroVet-CA1		
BANNED	S0		Practolol	Antiarrhythmic	Lacks FDA approval		
BANNED	S2		Pralmorelin	Growth Hormone	Lacks FDA approval		
CONTROLLED	S7	C	Pramoxine	Topical anesthetic	Epifoam (with hydrocortisone acetate), Pramosone (with hydrocortisone acetate)		
BANNED	S1		Prasterone (dehydroepiandrosterone, DHEA, 3βhydroxyandrost-5-en17-one)	Anabolic	Intrarosa		
BANNED	S0		Prazepam	Sedative/Anxiolytic	Discontinued, no FDA-approved		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
					product commercially available. DEA Schedule IV		
BANNED	S0		Prazosin	Antihypertensive	Minipress		
CONTROLLED	S7	C	Prednisolone	Corticosteroid	Endogenous substance (urine only) per IFHA		Threshold: 0.01 mcg/mL free prednisolone in urine.
CONTROLLED	S7	C	Prednisone	Corticosteroid	Rayos		
CONTROLLED	S7	A	Pregabalin	Anticonvulsant/Analgesic	Lyrica. DEA Schedule V		
BANNED	S0		Prenylamine	Vasodilator	Lacks FDA approval		
BANNED	S0		Pridinol	Anticholinergic	Lacks FDA approval		
BANNED	S0		Prifinium Bromide	Antispasmodic	Lacks FDA approval		
CONTROLLED	S7	B	Prilocaine	Local anesthetic	Emla (with lidocaine), Oraqix (with lidocaine), Citanest (with epinephrine)		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>Limit</u> <u>Limit</u> *
CONTROLLED	S7	B	Primidone	Anticonvulsant	Mysoline		
BANNED	S5		Probenecid	Anti-gout	Probalan		
CONTROLLED	S7	B	Procainamide	Antiarrhythmic	Generic		
CONTROLLED	S7	B	Procaine	Local anesthetic	(with Penicillin G)	17 mg (~17,000 IU) per kg IM	25 ng/mL in serum or plasma.
BANNED	S0		Procarbazine	Anti-neoplastic	Matulane		
BANNED	S3		Procaterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S0		Prochlorperazine	Anti-nausea	Compro, Procomp, Compazine		
BANNED	S0		Procyclidine	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Proglumide	Anti-ulcer	Lacks FDA approval		
CONTROLLED	S7	B	Promazine	Sedative/Antipsychotic	Promazine Granules		
CONTROLLED	S7	B	Promethazine	Antihistamine	Promethegan. Note: Component of		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening Limit*
					multiple OTC cough/cold formulations		
BANNED	S0		Pronethalol	Antiarrhythmic	Lacks FDA approval		
CONTROLLED	S7	B	Propafenone	Antiarrhythmic	Rythmol		
BANNED	S0		Propallylonal	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Propanidid	Anesthetic	Lacks FDA approval		
BANNED	S0		Propantheline	Anticholinergic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	C	Proparacaine (Proxymetacaine)	Local anesthetic	Alcane		
BANNED	S0		Propentophylline (propentofylline)	Phosphodiesterase inhibitor	Lacks FDA approval		
BANNED	S0		Propiomazine	Antipsychotic	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					available		
BANNED	S0		Propionylpromazine	Sedative	Lacks FDA approval		
BANNED	S0		Propiram	Opioid analgesic	Lacks FDA approval. DEA Schedule I		
CONTROLLED	S7	A	Propofol	Anesthetic	PropoFlo, Rapanofal		
BANNED	S0		Propoxycaine	Local anesthetic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Propoxyphene	Opioid analgesic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	A	Propranolol	Antiarrhythmic/Antihypertensive	Inderal, Hemangeol		
BANNED	S0		Propylhexedrine	Stimulant	Benzedrex		
BANNED	S0		Propyphenazone	NSAID	Lacks FDA approval		
BANNED	S0		Proquazone	NSAID	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S1		Prostanazol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Prothipendyl	Anxiolytic/Antihistamine	Lacks FDA approval		
BANNED	S0		Protokylol	Bronchodilator	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Protriptyline	Antidepressant	Generic		
BANNED	S0		Proxibarbital	Sedative/Anxiolytic	Lacks FDA approval		
BANNED	S0		Proxyphylline	Bronchodilator	Lacks FDA approval		
CONTROLLED	S7	B	Pseudoephedrine	Stimulant	Sudafed		
BANNED	S0		Psilocin (Psilocyn)	Hallucinogen	Lacks FDA approval; DEA Schedule I		
CONTROLLED	S7	B	Pyridostigmine	Cholinesterase Inhibitor	Mestinon, Regonol		
CONTROLLED	S7	B	Pyrilamine	Antihistamine	Histavet-P		
BANNED	S0		Pyrrithyldione	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Pyrrrobutamine	Antihistamine	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>limit</u> <u>Limit</u> *
BANNED	S0		Quazepam	Sedative	Doral. DEA Schedule IV		
BANNED	S0		Quetiapine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Quinapril, Quinaprilat	Antihypertensive	Accuretic		
BANNED	S1		Quinbolone	Anabolic	Lacks FDA approval		
BANNED	S5		Quinethazone	Diuretic	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Quinidine	Antiarrhythmic	Generic		
BANNED	S0		Quinisocaine	Local anesthetic	Lacks FDA approval		
CONTROLLED	S7	<u>GD</u>	Rabeprazole	Anti-ulcer	Aciphex	<u>Restricted Administration Period: 24 hours prior to Post-Time</u>	
BANNED	S0		Racemethorphan	Anti-Alzheimer's	Lacks FDA approval. DEA Schedule II		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
BANNED	S0		Racemorphan	Opioid agonist	Lacks FDA approval. DEA Schedule II		
BANNED	S0		Raclopride	Antipsychotic	Lacks FDA approval		
BANNED	S1	(x)	Ractopamine	Anabolic	Paylean, Optaflexx, Topmax		
BANNED	S4		Raloxifene	Selective Estrogen Receptor Modulator (SERM)	Evista		
BANNED	S4		Ramatercept (ACE-031)	Myostatin inhibitor	Lacks FDA approval		
BANNED	S0		Ramifenazone (Isopyrin)	NSAID	Lacks FDA approval		
BANNED	S0		Ramipril, metabolite Ramiprilat	Antihypertensive	Altace		
CONTROLLED	S7	C	Ranitidine	Anti-ulcer	Generic.	Restricted administration time: <u>24 Administration Period: 48 hours prior to Post-Time.</u> 8 mg/kg orally twice daily for 7 doses. (9	40 ng/mL in serum or plasma.

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
						horses)	
BANNED	S0		Regadenoson	Cardiac stimulant	Lexiscan		
BANNED	S0		Remifentanil	Synthetic opioid analgesic	Ultiva. DEA Schedule II		
BANNED	S0		Remimazolam	Anesthetic	Byfavo. DEA schedule IV		
BANNED	S0		Remoxipride	Antipsychotic	Lacks FDA approval		
BANNED	S3		Reproterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
CONTROLLED	S7	A	Reserpine	Antihypertensive/Depressant	Serpasil		
<u>BANNED</u>	<u>S0</u>	<u>(x)</u>	<u>Rexamino (Rexamino is a metabolite of levamisole. If there is credible evidence that the detection of rexamino in a horse's sample is the consequence of exposure to levamisole, the classification of rexamino may be revised to S7(B))</u>	<u>Stimulant</u>	<u>No FDA-approved product commercially available.</u>		
BANNED	S0		Rilmazafone	Sedative/Hypnotic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
BANNED	S3		Rimiterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S6		Risedronate	Bisphosphonate	Actonel		
BANNED	S0		Risperidone	Antipsychotic	Perseris Kit, Risperdal Consta, Risperdal		
BANNED	S0		Ritanserin	Antidepressant	Lacks FDA approval		
BANNED	S3		Ritodrine	Beta-2 agonist	Lacks FDA approval		
BANNED	S0		Rivastigmine	Cholinesterase Inhibitor	Exelon		
BANNED	S0		Rizatriptan	Selective Serotonin Receptor Agonist	Maxalt		
CONTROLLED	S7	A	Rocuronium	Muscle relaxant	Generic		
BANNED	S0		Rofecoxib	NSAID	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	B	Romifidine	Sedative	Sedivet	Detection Time: 60 hours. 80 mcg/kg single	1 ng/mL in urine.

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
						IV dose (6 horses)	
CONTROLLED	S7	A	Ropivacaine	Local anesthetic	Naropin		
BANNED	S2		Roxadustat (FG-4592)	Erythropoiesis	Lacks FDA approval		
BANNED	S0		Salicylamide	Analgesic	Lacks FDA approval		
CONTROLLED	S7	C	Salicylic acid	NSAID	Paser		Threshold: 750 mcg/mL in urine or 6.5 mcg/mL in serum or plasma.
CONTROLLED —when administered via inhalation	S7	B	Salmeterol	Beta-2 agonist-bronchodilator	Serevent, Advair (with fluticasone), Airduo (with fluticasone), Wixela (with fluticasone)		
BANNED	S1		SARM YK-11	Anabolic	Lacks FDA approval		
CONTROLLED	S7	C (x)	Scopolamine (Hyoscine)	Anticholinergic	Transdermal Scop; Dietary substance per IFHA		60 ng/mL total (free and conjugated) in urine.
CONTROLLED	S7	A	Secobarbital (Quinalbarbitone)	Sedative/Hypnotic	Discontinued, no FDA-approved product commercially		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					available. DEA Schedule II		
BANNED	S0		Selegiline	Antidepressant	Emsam, Zelapar		
BANNED	S2		Sermorelin	Growth Hormone	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Sertraline	Antidepressant	Zoloft		
BANNED	S0		Sibutramine	Stimulant	Discontinued, no FDA-approved product commercially available. DEA Schedule IV		
BANNED	S0		Sildenafil	Phosphodiesterase inhibitor	Viagra		
BANNED	S6		Snake Venoms	Neurotoxin	Lacks FDA approval		
BANNED	S2		Somatrem	Growth Hormone	Protropin		
BANNED	S2		Somatogon	Growth Hormone	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit*
BANNED	S2		Somatropin	Growth Hormone	Lacks FDA approval		
CONTROLLED	S7	B	Sotalol	Antiarrhythmic	Betapace, Sorine, Sotylize		
BANNED	S2		Sotatercept	Growth Hormone	Lacks FDA approval		
BANNED	S0	(x)	Sparteine	Antiarrhythmic	Lacks FDA approval		
BANNED	S0		Spiperone	Antipsychotic	Lacks FDA approval		
BANNED	S0		Spirapril, metabolite Spiraprilat	Antihypertensive	Discontinued, no FDA-approved product commercially available		
BANNED	S5		Spironalactone	Diuretic	Aldactazide, Caarospir, Aldactone		
BANNED	S4		Stamulumab (Myo-29)	Myostatin inhibitor	Lacks FDA approval		
BANNED	S1		Stanozolol	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S1		Stenbolone	Anabolic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Strychnine	CNS stimulant	Lacks FDA approval.		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening Limit*
					(Has anetodal use as constituent of unregulated appetite stimulants and leg paints. Extreme caution is advised when using these products.)		
BANNED	S0		Styramate	Muscle relaxant	Lacks FDA approval		
CONTROLLED	S7	A	Succinylcholine	Muscle relaxant	Anectine, Quelicin		
<u>CONTROLLED</u>	<u>S7</u>	<u>D</u>	<u>Sucralfate</u>	<u>Anti-ulcer</u>	<u>Carafate and Sulcrate</u>	<u>Restricted Administration Period: 24 hours prior to Post-Time</u>	
BANNED	S0		Sufentanil	Opioid analgesic	Sufenta, Dsuvia. DEA Schedule II		
CONTROLLED	S7	C	Sulfasalazine	Disease-modifying anti-rheumatic	Azulfadine		
BANNED	S0		Sulfondiethylmethane	Sedative/Hypnotic	Lacks FDA approval. DEA Schedule III		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "(x)")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Sulfonmethane	Sedative/Hypnotic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Sulforidazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Sulindac	NSAID	Generic		
BANNED	S0		Sulpiride	Antipsychotic	Lacks FDA approval		
BANNED	S0		Sultopride	Antipsychotic	Lacks FDA approval		
BANNED	S0		Sumatriptan	Selective Serotonin Receptor Agonist	Imitrex, Treximet [with naproxen]		
CONTROLLED	S7	C	Suprofen	NSAID	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Suxibuzone	NSAID	Lacks FDA approval		
BANNED	S0	(x)	Syneprine	Stimulant	Lacks FDA approval		
BANNED	S4		T3 (triiodothyronine)	Metabolic hormone	Lacks FDA approval		
BANNED	S4		T4 (tetraiodothyronine/thyroxine)	Metabolic hormone	Thyro-Tabs Canine, Thyrokare		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit
BANNED	S2		Tabimorelin	Growth Hormone	Lacks FDA approval		
BANNED	S0		Tadalafil	Phosphodiesterase inhibitor	Cialis		
BANNED	S0		Talbutal	CNS depressant	Discontinued, no FDA-approved product commercially available. DEA Schedule III		
BANNED	S4		Tamoxifen	Selective Estrogen Receptor Modulator (SERM)	Soltamox		
BANNED	S0		Tandospirone	Anxiolytic	Lacks FDA approval		
BANNED	S0		Tapentadol	Opioid analgesic	Nucynta. DEA Schedule II		
BANNED	S0		Telmisartan	Antihypertensive	Micardis		
CONTROLLED	S7 S0	B	Temazepam (Temazepam is a major metabolite of diazepam. If there is credible evidence that the presence of temazepam in a horse's sample is the	Anxiolytic	Restoril. DEA Schedule IV		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
			consequence of exposure to diazepam, the classification of temazepam may be revised to S7(B).)				
BANNED	S0		Tenoxicam	NSAID	Lacks FDA approval		
CONTROLLED	S7	B	Tepoxalin	NSAID	Zubrin		
BANNED	S0		Terazosin	Antihypertensive	Generic		
BANNED	S3		Terbutaline	Bronchodilator	Brethine		
BANNED	S0		Terfenadine	Antihistamine	Lacks FDA approval		
BANNED	S2		Tesamorelin	Growth Hormone	Egrifta		
BANNED	S4		Testolactone	Aromatase inhibitor	Teslac. DEA Schedule III		
BANNED	S2		Testolone	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval		
BANNED— <u>Fillies</u> and <u>Mares</u> (unless in foal)	S1		Testosterone	Anabolic	Androderm, Testm, Vogelxo, Testopel, Aveed, Kyzatrex, Jatenzo, Xyosted. DEA Schedule III		Threshold: 55 ng/mL total (free and conjugated) testosterone in urine OR 0.1 n/mL free

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
							testosterone in serum or plasma.
BANNED— Gold <u>ngsgeldings</u>	S1		Testosterone	Anabolic	Androderm, Testm, Vogelxo, Testopel, Aveed, Kyzatrex, Jatenzo, Xyosted. DEA Schedule III		Threshold: 20 ng/mL total (free and conjugated) testosterone in urine OR 0.1 ng/mL free testosterone in serum or plasma.
<u>BANNED—Intact Males</u>	<u>S1</u>		<u>Testosterone</u>	<u>Anabolic</u>	<u>Androderm, Testm, Vogelxo, Testopel, Aveed, Kyzatrex, Jatenzo, Xyosted. DEA Schedule III</u>		<u>Threshold: 2 ng/mL free testosterone in serum or plasma.</u>
BANNED	S0		Tetrabenazine (deutetrabenazine)	Neurotransmitter modulator	Xenazine, Austedo		
CONTROLLED	S7	B	Tetracaine	Local anesthetic	Pliaglis [with lidocaine], Synera [with lidocaine], Kovanze [with oxymetazoline]		
BANNED	S1		Tetrahydrogestrinone	Anabolic	Lacks FDA approval <u>approval</u> .		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					DEA Schedule III		
CONTROLLED	S7	B	Tetrahydrozoline	Topical Decongestant	Visine		
BANNED	S0		Tetrazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV		
BANNED	S1		THC (tetrahydrocannabinol)	Psychoactive	Lacks FDA approval. DEA Schedule I		
BANNED	S0	(x)	Thebaine	Opioid analgesic	Lacks FDA approval. DEA Schedule II		
CONTROLLED	S7	B (x)	Theobromine	Bronchodilator/Vasodilator	Lacks FDA approval; Dietary substance per IFHA		2 mcg/mL (free and conjugated) in urine OR 0.3 mcg/mL in serum or plasma.
CONTROLLED	S7	B (x)	Theophylline	Bronchodilator	Generic; Dietary substance per IFHA		250 ng/mL (free and conjugated) in urine.
BANNED	S0		Thialbarbital	Sedative/Hypnotic	Lacks FDA approval		
CONTROLLED	S7	A	Thiamylal	Sedative/Hypnotic	Surital, Biotal, Anestatal. DEA Schedule III		
BANNED	S0		Thiethylperazine	Antipsychotic	Discontinued, no FDA-approved		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
					product commercially available		
CONTROLLED	S7	A	Thiopental (pentothal)	Anesthetic	Combuthal Powder, Xylamed. DEA Schedule III		
BANNED	S0		Thiopropazate	Antipsychotic	Lacks FDA approval		
BANNED	S0		Thiopropazine	Antipsychotic	Lacks FDA approval		
BANNED	S0		Thioridazine	Antipsychotic	Generic <u>Generic</u>		
BANNED	S0		Thiothixene	Antipsychotic	Generic		
BANNED	S0		Thiphenamil (tifenamil)	Antispasmodic/Local anesthetic	Lacks FDA approval		
BANNED	S0		Thonzylamine	Antihistamine/anticholinergic	Lacks FDA approval		
BANNED	S0		Thozalinone	Antidepressant	Lacks FDA approval		
BANNED	S2		Thymosin	Peptide hormone	Lacks FDA approval		
BANNED	S0		Tiapride	Antipsychotic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances Specified Substances are designated with "X")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit Limit *
BANNED	S0		Tiaprofenic acid	NSAID	Lacks FDA approval		
BANNED	S1		Tibolone	Anabolic	Lacks FDA approval		
BANNED	S6		Tildronate (Tiludronic Acid)	Bisphosphonate	Tildren		
CONTROLLED	S7	A	Tiletamine	Anesthetic	Telazol [with zolazepam]. DEA Schedule III		
BANNED	S0		Timiperone	Antipsychotic	Lacks FDA approval		
BANNED	S3		Timolol	Antihypertensive	Istalol, Betimol, Timoptic		
CONTROLLED	S7	B	Tiotropium	Bronchodilator	Spiriva		
BANNED	S0		Tocainide	Antiarrhythmic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Tofenacin	Antidepressant	Lacks FDA approval		
BANNED	S0		Tofisopam	Anxiolytic	Lacks FDA approval		
CONTROLLED	S7	A	Tolazoline	Vasodilator	Discontinued, no		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
					FDA-approved product commercially available		
BANNED	S0		Tolfenamic Acid	NSAID	Lacks FDA approval		
BANNED	S0		Tolmetin	NSAID	Discontinued, no FDA-approved product commercially available		
BANNED	S5		Tolvaptan	Diuretic	Jynarque, Samsca		
BANNED	S0		Tolycaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Topiramate	Anticonvulsant	Topamax, Qsymia (with phentermine hydrochloride)		
BANNED	S4		Toremifene	Selective Estrogen Receptor Modulator (SERM)	Fareston		
BANNED	S5		Torse mide (Torasemide)	Diuretic	Soanz		
CONTROLLED	S7	<u>BA</u>	Tramadol	Opioid Analgesic	Ultram. DEA Schedule IV		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time	Screening limit <u>Limit</u> *
BANNED	S0		Tramazoline	Sympathomimetic	Lacks FDA approval		
BANNED	S0		Trandolapril (and metabolite, trandolaprilat)	Antihypertensive	Generic		
CONTROLLED	S7	C	Tranexamic acid	Anti-fibrinolytic	Cykokapron		
BANNED	S0		Tranlycypromine	Antidepressant	Parnate		
BANNED	S0 <u>S7</u>	<u>A</u>	Trazodone	Antidepressant	Generic		
BANNED	S1		Trenbolone (trendione)	Anabolic	Finaplix; Revalor, Synovex (with Estradiol); Component (with estradiol and tylosin). DEA Schedule III		
BANNED	S1		Trendione	Anabolic	Lacks FDA approval		
BANNED	S0		Trestolone	Anabolic	Lacks FDA approval		
BANNED	S3		Tretoquinol (trimetoquinol)	Beta-2 agonist-bronchodilator	Lacks FDA approval		
CONTROLLED	S7	C	Triamcinolone	Corticosteroid	Vetalog, Kenalog.		0.5 ng/mL in urine.
BANNED	S5		Triamterene	Diuretic	Dyrenium		
BANNED	S0		Triazolam	CNS depressant	Halcion. DEA		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection time <u>Time</u>	Screening <u>Limit</u> <u>Limit</u> *
					Schedule IV		
BANNED	S0		Tribromoethanol	Anesthetic	Lacks FDA approval		
BANNED	S0		Tricaine methanesulfonate	Anesthetic	Syncaine		
CONTROLLED	S7	C	Trichlormethiazide	Diuretic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Trichloroethanol	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Trichloroethylene	Anesthetic	Lacks FDA approval		
BANNED	S0		Triclofos	Sedative	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Tridihexethyl	Anticholinergic	No FDA-approved product		
BANNED	S0		Triflumeprazine	Sedative	Lacks FDA approval		
BANNED	S0		Trifluoperazine	Antipsychotic	Generic		

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BANNED	S0		Trifluoromethylphenyl piperazine	Stimulant	Lacks FDA approval		
BANNED	S0		Trifluoperidol	Antipsychotic	Lacks FDA approval		
BANNED	S0		Triflupromazine	Antipsychotic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Triflupromazine	Antipsychotic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Trihexyphenidyl	Anticholinergic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Trimecaine	Local anesthetic	Lacks FDA approval		
BANNED	S0		Trimeprazine	Antihistamine	Temaril-P [with		

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			(alimemazine)		prednisolone]		
BANNED	S4		Trimetazidine	Angina treatment	Lacks FDA approval		
BANNED	S0		Trimethadione	Anticonvulsant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Trimethaphan	Antihypertensive/Anesthetic	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Trimipramine	Antidepressant	Generic		
CONTROLLED	S7	B	Tripelennamine	Antihistamine	Re-Covr		
BANNED	S0		Tripolidine	Antihistamine	Triacin-C (with codeine phosphate and pseudoephedrine hydrochloride)		
BANNED	S2		Triptorelin	Reproductive hormone modulator	Triptodur, Trelstar		

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BANNED	S0		Trometamol (Tris hydroxymethylaminomethane [THAM])	Alkalinizing agent	Discontinued, no FDA-approved product is commercially available		
CONTROLLED	S7	B	Tropicamide	Ophthalmic Anticholinergic	Mydracyl		
BANNED	S0		Tuaminoheptane	Stimulant	Lacks FDA approval		
BANNED	S0		Tubocurarine (Curare)	Muscle relaxant	Plant alkaloid. Discontinued, no FDA-approved product commercially available		
BANNED	S3		Tulobuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval		
BANNED	S0		Tybamate	Anxiolytic	Lacks FDA approval		
BANNED	S0		Valdecoxib	NSAID	Discontinued, no FDA-approved product commercially available		
CONTROLLED	S7	A	Valerenic acid	Sedative	Plant derived		

HISA listed as	HISA status	Penalty subclassification (specified substancesSpecified Substances are designated with "x")	Substance	Action	Commercial name(s) (developmental names)	Detection timeTime	Screening limitLimit *
BANNED	S0		Valnoctamide	Sedative/Hypnotic	Lacks FDA approval		
BANNED	S0		Valproate Sodium	Anticonvulsant	Discontinued, no FDA-approved product commercially available		
BANNED	S0		Valsartan	Antihypertensive	Diovan, Entresto (with sacubitril)		
BANNED	S0		Vardenafil	Phosphodiesterase inhibitor	Levitra		
BANNED	S2		Vascular-Endothelial Growth Factor (VEGF)	Growth Hormone			
CONTROLLED	S7	A	Vecuronium	Muscle relaxant	Generic		
BANNED	S0		Vedaprofen	NSAID	Lacks FDA approval		
BANNED	S0		Venlafaxine	Antidepressant	Pristiq		
BANNED	S0		Veralipride	Antipsychotic	Lacks FDA approval		
BANNED	S0		Verapamil	Antihypertensive	Verelan, Calan		
BANNED	S3		Vilanterol	Beta-2 agonist-bronchodilator	Trelegy, Ellipta		
BANNED	S0		Viloxazine	Antidepressant	Qelbree		

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BANNED	S0		Vinbarbital	Hypnotic	Lacks FDA approval. DEA Schedule III		
BANNED	S0		Vinylbital	Sedative/Hypnotic	Lacks FDA approval		
CONTROLLED	S7	C	Warfarin	Anticoagulant	Coumadin, Jantoven		
BANNED	S2		Xenon	Hypoxia Inducible Factor activating agent			
BANNED	S5		Xipamide	Diuretic	Lacks FDA approval		
CONTROLLED	S7	B	Xylazine	Sedative/Analgesic	Rompun, Anased	Detection Time: 72 hours. 200 mg single IV dose.	<u>SL Screening Limit</u> : 10 ng/mL U (as 4-OH xylazine); 0.05 ng/mL B.
BANNED	S0		Xylometazoline	Stimulant	Afrin, Vicks Sinex		
CONTROLLED	S7	B	Yohimbine	Stimulant	Antagonil		
BANNED	S0		Zafirlukast	Asthma prevention	Accolate		
BANNED	S0		Zaleplon	CNS depressant	Sonata. DEA Schedule IV		
BANNED	S1	<u>(x)</u>	Zeranol	Anabolic	Ralgro		
BANNED	S6		Ziconotide	Neurotoxin	Prialt		

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BANNED	S0		Zileuton	Asthma prevention	Zyflo		
BANNED	S1	(x)	Zilpaterol hydrochloride	Anabolic	Zilmax, Heifermax		
BANNED	S0		Zimeldine	Antidepressant	Lacks FDA approval		
BANNED	S0		Ziprasidone	Antipsychotic	Geodon		
CONTROLLED	S7	A	Zolazepam	Sedative/Anxiolytic	Telazol (with tiletamine)		
BANNED	S6		Zoledronic acid	Bisphosphonate	Reclast		
BANNED	S0		Zolmitriptan	Selective Serotonin Receptor Agonist	Zomig		
BANNED	S0		Zolpidem	Sedative/Hypnotic	Ambien. DEA Schedule IV		
BANNED	S0		Zomepirac	Anticonvulsant	Lacks FDA approval		
BANNED	S0		Zonisamide	Anticonvulsant	Zonegran		
BANNED	S0		Zopiclone	Sedative/Hypnotic	Lunesta. DEA Schedule IV		
BANNED	S0		Zotepine	Antipsychotic	Lacks FDA approval		

HISA listed as	HISA status	Penalty subclassification (specified substances <u>Specified Substances</u> are designated with “(x)”)	Substance	Action	Commercial name(s) (<i>developmental names</i>)	Detection time <u>Time</u>	Screening limit <u>Limit</u> *
BANNED	S0		Zuclopenthixol	Antipsychotic	Lacks FDA approval		

* (Unless otherwise designated as a Threshold). Where no value is listed for serum or plasma the substance is controlled by Laboratory Limit of Detection. Unless otherwise specified, urine values are in *hydrolyzed* urine.

Summary report:	
Litera Compare for Word 11.4.0.111 Document comparison done on 10/11/2023 19:05:13	
Style name: Bird & Bird Style	
Intelligent Table Comparison: Active	
Original filename: 4000. Prohibited List inc TD (FTC January 2023).DOCX	
Modified filename: 4000. Prohibited List incl TD - Nov 10, 2023.docx	
Changes:	
<u>Add</u>	207
Delete	174
Move From	1
<u>Move To</u>	1
<u>Table Insert</u>	8
Table Delete	37
<u>Table moves to</u>	0
Table moves from	0
Embedded Graphics (Visio, ChemDraw, Images etc.)	0
Embedded Excel	0
Format changes	0
Total Changes:	428