

PERMISSIBLE MEDICATION LEVELS

In accordance with TXRC Rule Section 319.1(b) and 319.3(b)-(c), the following substances are permissible if found at or below the following specified concentration levels in post-race samples taken from a horse:

I. General Medications: Maximum Permissible Concentration

Acepromazine	10 ng/ml of 2-HEPS (metabolite) in urine
Butorphanol	300 ng/ml of total butorphanol in urine Or 2 ng of free butorphanol per ml in plasma or serum
Cetirizine	6 ng/ml in plasma or serum
Cimetidine	400 ng/ml in plasma or serum
Dantrolene	100 pg/ml of 5-hydroxydantrolene in plasma or serum
Detomidine	2 ng/mL of carboxydetomidine in urine; or 1 ng/ml of detomidine in plasma or serum
Dimethylsulfoxide/DMSO	10 mcg/ml in plasma or serum
Flunixin	5 ng/ml in plasma or serum
Furosemide	100 ng/ml in plasma or serum and urine specific gravity <1.010
Glycopyrrolate	3 pg/ml in plasma or serum
Guaifenesin	12 ng/ml in plasma or serum
Ketoprofen	2 ng/ml in plasma or serum
Lidocaine	20 pg/ml of 30H-lidocaine in plasma or serum
Mepivacaine	10 ng/ml total hydroxymepivacain in urine; or above level detection in plasma or serum
Methocarbamol	1 ng/ml in plasma or serum
Methylprednisolone	100 pg/ml in plasma or serum
Omeprazole	10 ng/ml in plasma or serum
Phenylbutazone	0.3 mcg/ml in Plasma or serum
Ranitidine	40 ng/ml in plasma or serum
Xylazine	200 pg/ml in plasma or serum

II. Non-Steroidal Anti-Inflammatory Drugs (NSAIDs)

- (1) Flunixin – 5 ng/ml in plasma or serum
- (2) Ketoprofen – 2 ng/ml in plasma or serum
- (3) Phenylbutazone – 0.3 mcg/ml in plasma or serum

III. Androgenic-Anabolic Steroids: Maximum Permissible Concentration

Boldenone	25 pg/ml in plasma or serum, regardless of sex 1 ng/ml in urine for fillies, mares & geldings; 15 ng/ml of urine in male horses (except geldings)
Nandrolone	25 pg/ml in plasma or urine for fillies, mares & geldings 1 ng/ml in urine for fillies, mares & geldings 45 ng/ml (as 5a-estrane-3 β , 17a-diol) in urine in male horses (except geldings)
Testosterone	25 pg/ml in plasma or serum for fillies, mares & geldings 55 ng/ml in urine in fillies and mares (unless in foal); 20 ng/ml in urine in geldings

IV. Total Carbon Dioxide: Maximum Permissible Concentration

Total Carbon Dioxide	Must remain below 37 mmol/l in plasma or serum
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V. Endogenous, Dietary or Environmental Substances: Maximum Permissible Concentration

Arsenic.....	0.3 mcg/ml total arsenic in urine	Feed Contaminant
Caffeine.....	100 ng/ml in serum or plasma.....	Feed Contaminant
Cobalt	25 ppb in blood plasma or serum	Endogenous Substance/Feed Contaminant
Estranediol	0.045 mcg/ml, free + conjugated 5a-estrane-3 β , 17a-diol, in the urine of male horses other than geldings ..	Endogenous Substance
Gamma Amnobufyric Acid ...	110 ng/ml in plasma or serum	Endogenous Substance
Hydrocortisone	1 mcg/ml in urine	Endogenous Substance
Methoxytyramine	4 mcg/ml, free + conjugated in urine	Endogenous Substance
Prednisolone	10 ng/ml free prednisolone in urine	Endogenous Substance
Salicylate/Salicylic Acid	750 mcg/ml in urine or 6.5 mcg/ml in serum or plasma	Feed Contaminant
Theobromine	2 mcg/ml in urine or 0.3 mcg/ml serum or plasma	Feed Contaminant