

1.1 **Minnesota Racing Commission**

1.2 **Proposed Permanent Rules Relating to Horse Racing**

1.3 **7890.0100 DEFINITIONS.**

1.4 [For text of subps 1 to 10a, see M.R.]

1.5 Subp. 10b. **Feed contaminant.** Substances in equine feed arising from
1.6 contamination during cultivation, processing or treatment, storage, or transportation.

1.7 ~~Subp. 10b.~~ 10c. **Flunixin meglumine.** "Flunixin meglumine" is a nonsteroidal
1.8 anti-inflammatory drug with the chemical name 3-pyridine-carboxylic acid.

1.9 ~~Subp. 10e.~~ 10d. **Furosemide.** "Furosemide" means
1.10 4-chloro-N-furfuryl-5-sulfamoylanthranilic acid.

1.11 ~~Subp. 10d.~~ 10e. **Growth factor.** "Growth factor" means a substance that promotes
1.12 cellular growth.

1.13 ~~Subp. 10e.~~ 10f. **Hemopure®.** "Hemopure ®" is a chemically stabilized bovine
1.14 cross-linked hemoglobin that carries oxygen to tissues. Chemically it is hemoglobin
1.15 glutamer-250 (bovine) or HBOC-201.

1.16 [For text of subps 11 to 21, see M.R.]

1.17 **7890.0110 MEDICATIONS AND PRACTICES PROHIBITED.**

1.18 [For text of subps 1 to 7, see M.R.]

1.19 Subp. 7a. **Androgenic-anabolic steroids (AAS).** No Androgenic-anabolic steroids
1.20 (AAS) shall be permitted in test samples collected from racing horses except for
1.21 residues of the major metabolite of stanozolol, nandrolone, and naturally occurring
1.22 substances boldenone and testosterone at concentrations less than the indicated thresholds.
1.23 Concentrations of these AAS shall not exceed the following plasma or serum thresholds

2.1 for unchanged (i.e. not conjugated) substance or urine threshold concentrations for total
2.2 (i.e., free drug or metabolite and drug or metabolite liberated from its conjugates):

2.3 A. ~~16 β -hydroxystanozolol (metabolite of stanozolol (Winstrol®)) - 1 ng/ml in~~
2.4 ~~urine for~~ Stanozolol - 1 ng/ml of total 16 β -hydroxystanozolol (metabolite of stanozolol) in
2.5 urine of all horses regardless of sex; or 25 pg/ml of stanozolol in plasma or serum of all
2.6 horses regardless of sex.

2.7 B. Boldenone (~~Equipoise® is the undecylenate ester of boldenone~~) - 15 ng/ml
2.8 of total boldenone in urine of male horses other than geldings; -15 ng/ml in urine. No
2.9 ~~boldenone shall be permitted in geldings or female horses~~ or 25 pg/ml of boldenone in
2.10 plasma or serum of all horses regardless of sex.

2.11 C. Nandrolone (~~Durabolin® is the phenylpropionate ester and Deca-Durabolin®~~
2.12 ~~is the decanoate ester~~):

2.13 (1) in geldings - 1 ng/ml total nandrolone in urine or 25 pg/ml of nandrolone
2.14 in plasma or serum;

2.15 (2) in fillies and mares - 1 ng/ml total nandrolone in urine or 25 pg/ml of
2.16 nandrolone in plasma or serum; and

2.17 (3) in male horses other than geldings - 45 ng/ml of metabolite,
2.18 5 α -oestrane-3 β , 17 α -diol in urine.

2.19 D. Testosterone:

2.20 (1) in geldings - 20 ng/ml total testosterone in urine or 25 pg/ml of
2.21 testosterone in plasma or serum;

2.22 (2) in fillies and mares - 55 ng/ml total testosterone in urine or 25 pg/ml
2.23 of testosterone in plasma or serum; and

2.24 (3) ~~male horses other than geldings will not be tested.~~ in fillies and mares
2.25 that are confirmed at the time of racing as being pregnant, testosterone is not regulated; and

