Norwegian anti-doping Regulations and Rules

Extract from the Norwegian Regulations (unofficial translation and shortened version):

The Regulation on prohibition against doping of horses, given by the Royal Ministry of Agriculture on March 1st 2007 according to Law of June 19th 2009 no 97 on Animal welfare §9, § 19 and § 26, impose that all organisations organising competitions with horses shall have rules that define:

- What treatment that prohibits the horse to compete the rest of the horses lifetime
- What treatment that prohibits the horse to compete during a certain time
- The withdrawal times for those treatments
- The level of drugs and other substances witch can be regarded as active and prohibits the horse to compete
- Prohibition of storing of drugs and treatment equipment at the competition area
- … .

The Norwegian Trotting Association has made a document "Forbuds- og karenstidsliste 2011" with a Prohibited list and a Withdrawal time list in corporation with the Nordic Equine Medication and Antidoping Committee (NEMAC). To have a common understanding in all horse sport in Norway, the Jockey Club and the Norwegian Equestrian Federation have decided to use this document concerning Prohibited list and Withdrawal times as part of the rules imposed by the National Regulation above.

Notice: Where the "Forbuds- og karenstidsliste 2011" is stricter than FEI rules (FEI Veterinary regulations and FEI Equine Anti-Doping and Controlled Regulations) this document overrules the FEI rules at FEI competitions i Norway since this is imposed by the Norwegian Regulations.

Extract from the "Forbuds- og karenstidsliste 2011" (unofficial translation and shortened version):

This document contains a list of substances and treatments witch are prohibited for horses (A-list), withdrawal times (B-list), and recommendations and information (C). The withdrawal time list contains a list of drugs, substances and treatments, witch are forbidden when competing, and their withdrawal times.
All treatment that involves withdrawal times must be recorded in the horse's medication logbook.

The document may be revised several times a year. This document is effective from January 1st 2011. New edition or changes will be announced on: Reglement - Travsport.no.

A. List of banned substances and treatments

Absolute banned substances, treatments and methods.

The following substances are banned, including other substances with a similar chemical structure or similar biological effect, or their realizing factors:

- Anabolic substances (including androgens)
- Erythropoietin (EPO)
- Growth hormones including growth factors, e.g. IGF-1 and MGFs.
- Treatment with substances that contain arsenic, lead, mercury and/or croton oil.

The following treatments are banned, including other methods with similar substances or similar effect:

- Chirurgical nerve blocking
- Chemical nerve blocking and injection with the following substances (but not only restricted to): sarapin, botulinum toxin, doxorubicin, crotoxin
- Desensitisation treatment
- Immunological castration.

B. Withdrawal time list

Substances, treatments and methods that are forbidden during competitions and their respective withdrawal times.

The withdrawal time is a minimum time-limit and is counted from termination of a treatment and until 12:00 the day of competition. It is forbidden to compete during the withdrawal time.

The following withdrawal times below apply if there is no specific withdrawal time for a substance. If a substance listed below still is detected in samples it is considered as a forbidden substance although the withdrawal times were followed.

a) No limit

- Local use on skin of substances with only protective, softening, absorbing, astringent, drying and keratolytic effect
- Cooling of body parts with cold, running water
- All disinfectants e.g. chloramine, chlorhexidine, pyrisept

b) Minimum 96 hours

- Injections/infusions, irrespective of drug
- Substances that may act on the nervous system
- Substances that may act on the muscular and skeleton system
- Muscle relaxants
- Antimicrobial and antifungal substances (except benzylpenicillin procaine)
- Non-approved drugs prescripted on special license from a medical products agency
- Human drugs without specific withdrawal times
- Substances for veterinary use, but not intended for use in horses

- Natural remedies intended for internal use
- Homeopathic substances

c) Minimum 7 days

- Expectorant/mucolytic drugs e.g. bromhexidin, dembrexin and acetylcysteine

d) Minimum 14 days

- Injections/punctures into joints, bursa or tendon sheets
- Use of glucocorticoids (cortisone) with short effect and quick clearing time injected other places than into joints, bursa or tendon sheets
- Procaine
- Caffeine, Guarana
- Bronchodilating drugs
- Anti-inflammatory drugs (e.g. DMSO, NSAIDs) except cox-2 selective NSAIDs (coxiber) which are registered for use in horses or other animals

e) Minimum 28 days

- All glucocorticoids (cortisone) with exception of those in article d)

f) 1 year

- Hormone substance with long-term effects in order to delay oestrus

Withdrawal times for drugs registered for use in horses in Norway

The withdrawal times are based on standard dosages in Norway as they are recommended in "Veterinærkatalogen" (the pharmaceutical manual for veterinary drugs in Norway). If the recommendations are not followed the withdrawal times must be prolonged.

WITHDRAWAL TIMES FOR CERTAIN SUBSTANCES/DRUGS	
SUBSTANCE/DRUG	**WITHDRAWAL TIME**
Acepromazine	7 days
Adrenalin (epinephrine)	96 hours
Altrenogest	14 days
Ampicillin	96 hours
Atropine	96 hours
Bromhexine	7 days

Buserelin	96 hours
Butorphanol	96 hours
Cimetidine	96 hours
Clenbuterol	14 days
Cloprostenol	96 hours
Cromglicat	14 days
Dandrolen	14 days
Detomidine	96 hours
Dexamethasone isonicotinate	28 days
Dexamethasone sodium phosphate	14 days
Dembrexine	7 days
Dihydro streptomycin	96 hours
Dinoprost	96 hours
Dipyrone (metamizol)	14 days
Ezomeprazol	96 hours
Febantel	96 hours
Fenbendazole	96 hours
Flunixin	14 days
Gentamicin	96 hours
Guaifenesin	96 hours
Hyaluronate sodium (sodium hyaluronate)	14 days
Hydrocortisone	14 days
Hydrocortisone butyrate	14 days
Hypromellose	96 hours
Hydroxietylsalicylat (acid monosalicylic glycol ester)	14 days
Isoflurane	96 hours
Ivermectin	96 hours
Ketamine	96 hours
Ketoprofen	14 days
Lidocaine	96 hours, 14 days for intra-articular injection
Luprostiol	96 hours
Meloxicam	14 days
Moxidectin	96 hours
Omeprazole	96 hours
Oxytocin	96 hours
Penicillin G (benzylpenicillin)	96 hours
Penicillin G procaine (benzylpenicillin procaine)	14 days
Phenylbutazone	14 days
Praziquantel	96 hours
Pyrantel	96 hours
Ranitidin	96 hours
Romifldine	96 hours
Selenium (granules)	0 hours
Sukralfat	96 hours
Sulfadiazine	96 hours

Sulfadoxine	96 hours
Sodium chlorine (normal saline, salt solution, saline solution)	96 hours (if injected)
Sodium heparin	96 hours
Tiludronat	14 days
Trimethoprim	96 hours
Vedaprofen	14 days
Vitamin A, B, D2, E (if injected)	96 hours
Xylazine	96 hours

The day of competition it is forbidden to:

- Use nasogastric tube
- Use inhalation-therapy mask
- Cool with other than cold water
- Use electrical massage equipment

WITHDRAWAL TIMES FOR SOME PREPARATIONS/SUBSTANCES & SOME OTHER CERTAIN TREATMENTS/ACTIONS	
SUBSTANCE/ACTION	**WITHDRAWAL TIME**
Acupuncture	96 hours
Blistering	96 hours
Chiropractic treatment	96 hours
Laser treatment	96 hours
Magnetic treatment	96 hours
Naprapathic treatment	96 hours
Ultra sound treatment	96 hours
Transcutaneous electrical nerve stimulation (TNS)	96 hours
Chock wave treatment	7 days
Use of inhalation-therapy via a mask with pharmacological active substances	96 hours
Intrauterine implants (water-filled plastic balls) for oestrus delay	0 hours
Therapeutic treatment with monochromatic, LED or infrared light	96 hours
Capsaicin, Capsicum	96 hours
Devil's Claw, Harpagophytum	96 hours
Valeriana	96 hours

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