

# Prohibited List

(updated on January 28, 2025)

Compounds marked with three asterisks (\*\*\*) have a *Decision Limit* of 100 pg/mL and above. A level of under 100pg/mL will be flagged by the *Policy Administrator* as “Atypical” and the *Player* will be subjected to targeted testing.

Compounds marked with four asterisks (\*\*\*\*) have a *Decision Limit* of 5 ng/mL and above. A level of under 5 ng/mL will be flagged by the *Policy Administrator* as “Atypical” and the *Player* will be subjected to targeted testing.

The *Policy* recognizes that certain of these compounds are capable of a pattern involving an adverse finding, followed by one or more apparently negative samples, and then an adverse finding even though there has been no new administration. The *Policy* also recognizes that certain of these compounds can exhibit long excretion windows at low pg/mL levels. These issues will not impact whether the *Policy Administrator* finds an *Anti-Doping Rule Violation*. However, a *Player* may raise these issues as a defense to an *Anti-Doping Rule Violation* subject to burden-of-proof and standard-of-proof provisions of the *Policy*.

## Table of Contents

<b>Section 1</b>	<b>- Anabolic Agents .....</b>	<b>2</b>
<b>Section 2</b>	<b>- Peptide Hormones, Growth Factors, and Mimetics.....</b>	<b>5</b>
<b>Section 3</b>	<b>- Hormone and Metabolic Modulators.....</b>	<b>6</b>
<b>Section 4</b>	<b>- Stimulants .....</b>	<b>8</b>
<b>Section 5</b>	<b>- Glucocorticoids .....</b>	<b>11</b>
<b>Section 6</b>	<b>- Beta-Blockers .....</b>	<b>12</b>
<b>Section 7</b>	<b>- Prohibited Methods .....</b>	<b>13</b>

## Section 1 - ANABOLIC AGENTS

Anabolic agents are prohibited. The *Policy Administrator* has the discretion to add to the following list any substances with similar chemical structure or similar biological effects to those listed below.

### 1. ANABOLIC ANDROGENIC STEROIDS (AAS)

When administered exogenously, including but not limited to:

- 1-Androstenediol (5 $\alpha$ -androst-1-ene-3 $\beta$ , 17 $\beta$ -diol)
- 1-Androstenedione (5 $\alpha$ -androst-1-ene-3, 17-dione)
- 1-Androsterone (3 $\alpha$ -hydroxy-5 $\alpha$ -androst-1-ene-17-one)
- 1-Epiandrosterone (3 $\beta$ -hydroxy-5 $\alpha$ -androst-1-ene-17-one)
- 1-Testosterone (17 $\beta$ -hydroxy-5 $\alpha$ -androst-1-en-3-one)
- 4-Androstenediol (androst-4-ene-3 $\beta$ , 17 $\beta$ -diol)
- 4-Hydroxytestosterone (4,17 $\beta$ -dihydroxyandrost-4-en-3-one)
- 5-Androstenedione (androst-5-ene-3,17-dione)
- 7 $\alpha$ -hydroxy-DHEA
- 7 $\beta$ -hydroxy-DHEA
- 7-Keto-DHEA
- 17 $\alpha$ -methylepithiostanol (epistane)
- 19-Norandrostenediol (estr-4-ene-3,17-diol)
- 19-Norandrostenedione (estr-4-ene-3,17-dione)
- Androst-4-ene-3,11,17-trione (11-ketoandrostenedione, adrenosterone)
- Androstanolone (5 $\alpha$ -dihydrotestosterone, 17 $\beta$ -hydroxy-5 $\alpha$ -androstan-3-one)
- Androstenediol (androst-5-ene-3 $\beta$ ,17 $\beta$ -diol)
- Androstenedione (androst-4-ene-3,17-dione)
- Bolasterone
- Boldenone
- Boldione (androsta-1,4-diene-3,17-dione)
- Calusterone
- Clostebol
- Danazol ([1,2]oxazolo[4',5':2,3]pregna-4-en-20-yn-17 $\alpha$ -ol)
- \*\*\* Dehydrochlormethyltestosterone (4-chloro-17 $\beta$ -hydroxy-17 $\alpha$ -methylandrosta-1,4-dien-3-one)
- Desoxymethyltestosterone (17 $\alpha$ -methyl-5 $\alpha$ -androst-2-en-17 $\beta$ -ol and 17 $\alpha$ -methyl-5 $\alpha$ -androst-3-en-17 $\beta$ -ol)
- Drostanolone
- Epiandrosterone (3 $\beta$ -hydroxy-5 $\alpha$ -androstan-17-one)
- Epi-dihydrotestosterone (17 $\beta$ -hydroxy-5 $\beta$ -androstan-3-one)

## Appendix 2

- Epitestosterone
- Ethylestrenol (19-norpregna-4-en-17 $\alpha$ -ol)
- Fluoxymesterone
- Formebolone
- Furazabol (17 $\alpha$ -methyl [1,2,5] oxadiazolo[3',4':2,3]-5 $\alpha$ -androstan-17 $\beta$ -ol)
- Gestrinone
- Mestanolone
- Mesterolone
- Metandienone (17 $\beta$ -hydroxy-17 $\alpha$ - methylandrosta-1,4-dien-3-one)
- Metenolone
- Methandriol
- Methasterone (17 $\beta$ -hydroxy-2 $\alpha$ ,17 $\alpha$ -dimethyl- 5 $\alpha$ -androstan-3-one)
- Methyl-1-testosterone (17 $\beta$ -hydroxy-17 $\alpha$ - methyl-5 $\alpha$ -androst-1-en-3-one)
- Methylclostebol
- Methyldienolone (17 $\beta$ -hydroxy-17 $\alpha$ - methylestra-4,9-dien-3-one)
- Methylnortestosterone (17 $\beta$ -hydroxy-17 $\alpha$ - methylestr-4-en-3-one)
- Methyltestosterone
- Metribolone (methyltrienolone, 17 $\beta$ -hydroxy-17 $\alpha$ -methylestra-4,9,11-trien-3-one)
- Mibolerone
- Nandrolone (19-nortestosterone) and its analogues (e.g., Trestolone (7 $\alpha$ -methyl-19-nortestosterone, MENT), dimethandrolone (7 $\alpha$ ,11 $\beta$ -Dimethyl19-nortestosterone) and 11 $\beta$ -methyl-19 nortestosterone)
- Norboletone
- Norclostebol (4-chloro-17 $\beta$ -ol-estr-4-en-3-one)
- Norethandrolone
- Oxabolone
- Oxandrolone
- Oxymesterone
- Oxymetholone
- Prasterone (dehydroepiandrosterone, DHEA, 3 $\beta$ -hydroxyandrost-5-en-17-one)
- Prostanazol (17 $\beta$ -[(tetrahydropyran-2-yl)oxy]- 1'H-pyrazolo[3,4:2,3]-5 $\alpha$ -androstane)
- Quinbolone
- Stanozolol
- Stenbolone
- Testosterone

## Appendix 2

- Tetrahydrogestrinone (17-hydroxy-18a-homo-19-nor-17 $\alpha$ -pregna-4,9,11-trien-3-one)
- Tibolone
- Trenbolone (17 $\beta$ -hydroxyestr-4,9,11-trien-3-one)

## 2. OTHER ANABOLIC AGENTS

Including, but not limited to:

- \*\*\*\*Clenbuterol
- Osilodrostat
- \*\*\*\*Ractopamine
- Selective androgen receptor modulators [SARMs, e.g. andarine<sup>\*\*\*</sup>, enobosarm (ostarine)<sup>\*\*\*</sup> LGD-4033 (ligandrol)<sup>\*\*\*</sup> RAD140, S-23 and YK-11]
- \*\*\*\*Zeranol
- \*\*\*\*Zilpaterol

## Section 2 - PEPTIDE HORMONES, GROWTH FACTORS, AND MIMETICS

The following substances are prohibited. The *Policy Administrator* has the discretion to add to the following list any substances with similar chemical structure or similar biological effects to those listed below.

### 1. PEPTIDE HORMONES AND THEIR RELEASING FACTORS

- 1.1 Testosterone-stimulating peptides in males including, but not limited to:
- chorionic gonadotrophin (CG),
  - luteinizing hormone (LH),
  - gonadotrophin- releasing hormone (GnRH, gonadorelin) and its agonist analogues (e.g. buserelin, deslorelin, goserelin, histrelin, leuprorelin, nafarelin and triptorelin)
- 1.2 Corticotrophins and their releasing factors, e.g. corticorelin and tetracosactide
- 1.3 Growth hormone (GH), its analogues and fragments including, but not limited to:
- growth hormone analogues, e.g. lonapegsomatropin, somapacitan and somatrogen
  - growth hormone fragments, e.g. AOD-9604 and hGH 176-191
- 1.4 Growth hormone releasing factors, including, but not limited to:
- growth hormone-releasing hormone (GHRH) and its analogues (e.g. CJC-1293, CJC-1295, sermorelin and tesamorelin)
  - growth hormone secretagogues (GHS) and their mimetics [e.g. anamorelin, capromorelin, ibutamoren (MK-677), ipamorelin, lenomorelin (ghrelin), macimorelin and tabimorelin]
- 1.5 Peptide Hormones and Their Releasing Factors That Are Excluded
- BPC-157

### 2. GROWTH FACTORS AND GROWTH FACTOR MODULATORS

Including, but not limited to:

- Fibroblast growth factors (FGFs)
- Hepatocyte growth factor (HGF)
- Insulin-like growth factor 1 (IGF-1, mecasermin) and its analogues
- Mechano growth factors (MGFs)
- Platelet-derived growth factor (PDGF)
- Thymosin- $\beta$ 4 and its derivatives e.g. TB-500
- Vascular endothelial growth factor (VEGF)

## **Section 3 - HORMONE AND METABOLIC MODULATORS**

The following hormone and metabolic modulators are prohibited.

### **1. AROMATASE INHIBITORS**

Including, but not limited to:

- 2-Androstenol (5 $\alpha$ -androst-2-en-17-ol)
- 2-Androstenone (5 $\alpha$ -androst-2-en-17-one)
- 3-Androstenol (5 $\alpha$ -androst-3-en-17-ol)
- 3-Androstenone (5 $\alpha$ -androst-3-en-17-one)
- 4-Androstene-3,6,17 trione (6-oxo)
- Aminoglutethimide
- Anastrozole
- Androsta-1,4,6-triene-3,17-dione (androstatrienedione)
- Androsta-3,5-diene-7,17-dione (arimistane)
- Exemestane
- Formestane
- Letrozole
- Testolactone

### **2. ANTI-ESTROGENIC SUBSTANCES [ANTI-ESTROGENS AND SELECTIVE ESTROGEN RECEPTOR MODULATORS (SERMS)]**

Including, but not limited to:

- Bazedoxifene
- \*\*\* Clomifene
- Cyclofenil
- Elacestrant
- Fulvestrant
- Ospemifene
- Raloxifene
- Tamoxifen
- Toremifene

### **3. ADDITIONAL METABOLIC MODULATORS**

- \*\*\* GW501516 (Cardarine)
- Insulins and insulin-mimetics, e.g. S519, S597
- SR9011

## Appendix 2

- SR9009

## Section 4 - STIMULANTS

The following stimulants, including all optical isomers (except where an optical isomer is specifically listed), e.g. d- and l- where relevant, are prohibited. The *Policy Administrator* has the discretion to add to the following list any substances with similar chemical structure or similar biological effects to those listed below. Except where indicated by an \* (or where a higher limit is specified), stimulants at approximate concentrations less than 50 ng/mL will be flagged by the *Policy Administrator* as “Negative”. Those stimulants marked by a single \* found in the urine at approximate concentrations less than 50 ng/mL will be flagged by the *Policy Administrator* as “Atypical” and the *Player* may be subjected to additional targeted testing.

\*\* These substances are threshold substances and their measurement should be quantitative on any confirmation.

- 2-phenylpropan-1-amine ( $\beta$ -methylphenylethylamine, BMPEA)
- 3-Methylhexan-2-amine (1,2-dimethylpentylamine)
- 4-fluoromethylphenidate
- 4-Methylhexan-2-amine (methylhexaneamine, 1,3-dimethylamylamine, 1,3 DMAA)
- 4-Methylpentan-2-amine (1,3-dimethylbutylamine)
- 5-Methylhexan-2-amine (1,4-dimethylpentylamine, 1,4-dimethylamylamine, 1,4-DMAA)
- Adrafinil\*
- Amfepramone\*
- Amphetamine\*
- Amfetaminil\*
- Amiphenazole\*
- Benfluorex\*
- Benzfetamine
- Benzylpiperazine \*
- Bromantan\*
- Cathine (d-norpseudoephedrine) and its l-isomer: Prohibited when its concentration in urine is greater than 5 micrograms per milliliter.\*\*
- Cathinone and its analogues, e.g. mephedrone, methedrone, and  $\alpha$ -pyrrolidinovalerophenone
- Clobenzorex\*
- Cropropamide\*
- Crotetamide\*
- Dimetamfetamine (dimethylamphetamine)



## Appendix 2

- Ephedrine: Prohibited when the concentration in urine is greater than 10 micrograms per milliliter. \*\*
- Epinephrine (adrenaline): Not prohibited in local administration, e.g. nasal, ophthalmologic, or co-administration with local anesthetic agents.
- Etamivan
- Ethylphenidate
- Etilamfetamine
- Etilefrine
- Famprofazone
- Fenbutrazate
- Fencamfamin
- Fencamine\*
- Fenetylline\*
- Fenfluramine\*
- Fenproporex\*
- Fonturacetam [4-phenylpiracetam (carphedon)] \*
- Furfenorex\*
- Heptaminol
- Hydrafenil (fluorenol)
- Hydroxyamfetamine (parahydroxyamphetamine)
- Isometheptene
- Levmetamfetamine
- Lisdexamfetamine\*
- Meclofenoxate
- Mefenorex
- Mephentermine
- Mesocarb
- Methamphetamine(d-)\*
- p-methylamphetamine\*
- Methylephedrine: Prohibited when the concentration in urine is greater than 10 micrograms per milliliter. \*\*
- Methylnaphthidate [((±)-methyl-2-(naphthalen-2-yl)-2-(piperidin-2-yl)acetate]
- Methylphenidate
- Midodrine
- Modafinil\*
- Nikethanamide
- Norfenefrine

## Appendix 2

- Norfenfluramine\*
- Octodrine (1,5-dimethyl- hexylamine)
- Octopamine
- Oxilofrine (methylsynephrine)
- Pemoline
- Pentetrazol
- Phendimetrazine\*
- Phenethylamine and its derivatives
- Phenmetrazine
- Phenpromethamine
- Phentermine\*
- Prenylamine\*
- Prolintane\*
- Propylhexedrine
- Selegiline
- Sibutramine
- Solriamfetol
- Strychnine
- Tenamfetamine (methylenedioxyamphetamine)
- Tesofensine
- Tuaminoheptane

### Exceptions:

- Clonidine, guanfacine;
- Imidazoline derivatives for dermatological, nasal, ophthalmic or otic use (e.g. brimonidine, clonazoline, fenoxazoline, indanazoline, naphazoline, oxymetazoline, tetryzoline, tramazoline, xylometazoline);
- **Phenylephrine and pseudoephedrine are permitted in LIV Golf events.**

## Section 5 - GLUCOCORTICOIDS

All glucocorticoids are prohibited when administered by any injectable, oral including oromucosal (e.g. buccal, gingival, sublingual) or rectal route. Absent non-analytical evidence to the contrary, all Glucocorticoids with estimated concentrations less than 50 ng/mL are presumed to have been administered through a permitted route.

Including, but not limited to:

- Beclometasone
- Betamethasone
- Budesonide
- Ciclesonide
- Cortisone
- Deflazacort
- Dexamethasone
- Fluocortolone
- Flunisolide
- Fluticasone
- Hydrocortisone
- Methylprednisolone
- Mometasone
- Prednisolone
- Prednisone
- Triamcinolone acetonide

### **NOTE:**

Other routes of administration (including inhaled and topical: dental-intracanal, dermal, intranasal, ophthalmological, otic and perianal) are not prohibited when used within the manufacturer's licensed doses and therapeutic indications. In addition, the use of compounds in this section (including injectable, oral, or intra-venous) for acute anaphylaxis is not prohibited.

## **Section 6 – BETA-BLOCKERS**

Including, but not limited to:

- Acebutolol
- Alprenolol
- Atenolol
- Betaxolol
- Bisoprolol
- Bunolol
- Carteolol
- Carvedilol
- Celiprolol
- Esmolol
- Labetalol
- Metipranolol
- Metoprolol
- Nadolol
- Nebivolol
- Oxprenolol
- Pindolol
- Propranolol
- Sotalol
- Timolol

## **Section 7 - PROHIBITED METHODS**

### **CHEMICAL AND PHYSICAL MANIPULATION**

The following are prohibited:

1. Tampering, or attempting to tamper, to alter the integrity and validity of samples collected during doping control. Including, but not limited to:
  - Sample substitution and/or adulteration (e.g. addition of proteases to sample).
2. Intravenous infusions and/or injections of more than a total of 100 mL per 12-hour period except for those legitimately received in the course of hospital treatments, surgical procedures or clinical diagnostic investigations.

**The following are not included, but should be reviewed annually:**

- Manipulation of blood and blood components
- Gene and cell doping