



Sl	Name of Chemical
40.	Tuaminoheptane
<b>B Non-Specified Stimulants</b>	
41.	Adrafinil
42.	Amfepramone
43.	Amphetamine
44.	Amfetaminil
45.	Amiphenazole
46.	Benfluorex
47.	Benzylpiperazine
48.	Bromantan
49.	Clobenzorex
50.	Cocaine
51.	Cropropamide
52.	Crotetamide
53.	Fencamine
54.	Fenetylline
55.	Fenfluramine
56.	Fenproporex
57.	Fonturacetam
58.	Furfenorex
59.	Mefenorex
60.	Mephentermine
61.	Mesocarb
62.	Metamfetamine(d-)
63.	p-methylamphetamine
64.	Modafinil
65.	Norfenfluramine
66.	Phendimetrazine
67.	Phentermine
68.	Prenylamine
69.	Prolintane
<b>S7. NARCOTICS</b>	
1.	Buprenorphine
2.	Dextromoramide
3.	Diamorphine (heroin)
4.	Fentanyl and its derivatives
5.	Hydromorphone
6.	Methadone
7.	Morphine
8.	Oxycodone
9.	Oxymorphone

Sl	Name of Chemical
10.	Pentazocine
11.	Pethidine
<b>S8. CANNABINOIDS</b>	
1.	Cannabis
2.	Hashish
3.	Marijuana
4.	THC
5.	JWH-018
6.	JWH-073
7.	HU-210
<b>S9. GLUCOCORTICIDS</b>	
1.	Beclomethasone
2.	Betamethasone
3.	Budesonide
4.	Desonide
5.	Dexamethasone
6.	Fludrocortisone
7.	Fludrocortisone acetate
8.	Flumethasone
9.	Flunisolide
10.	Flucortolone
11.	Fluticasone Propionate
12.	Methyl prednisolone
13.	Prednisolone
14.	Prednisone
15.	Triamcinolone
16.	Triamcinolone Acetonide
17.	Deflazacort
<b>B PROHIBITED METHODS</b>	
<b>M1. MANIPULATION OF BLOOD AND BLOOD COMPONENTS</b>	
1.	Blood Doping
2.	Perfluorochemicals
3.	Efaproxiral (RSR13)
4.	Modified haemoglobin products
<b>M2. CHEMICAL AND PHYSICAL MANIPULATION</b>	
<b>M3. GENE DOPING</b>	
<b>C SUBSTANCES PROHIBITED IN PARTICULAR SPORTS</b>	
<b>P1: ALCOHOL</b>	
<b>P2. BETA-BLOCKERS</b>	
1.	Acebutolol
2.	Alprenolol
3.	Atenolol
4.	Betaxolol
5.	Bisoprolol
6.	Bunolol
7.	Carteolol
8.	Carvedilol
9.	Celiprolol
10.	Esmolol



11.	Labetalol
12.	Levobunolol
13.	Metipranolol
14.	Metoprolol
15.	Nadolol
16.	Oxprenolol
17.	Pindolol
18.	Propranolol
19.	Sotalol
20.	Timolol

- Clonidine
- Imidazole derivatives for topical/ophthalmic use and those stimulants included in the 2016 Monitoring Program\*.
- \* bupropion, caffeine, nicotine, phenylephrine, phenylpropranolamine, pipradrol, and synephrine: These substances are included in the 2016 Monitoring Program, and are not considered Prohibited substances.
- \*\* Cathine: Prohibited when its concentration in urine is greater than 5 micrograms per milliliter.
- \*\*\* Ephedrine and methylephedrine: Prohibited when the concentration of either 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 anaesthetic agents.
- \*\*\*\*\* Pseudoephedrine: Prohibited when its concentration in urine is greater than 150 micrograms per milliliter.

## NATIONAL DOPE TESTING LABORATORY

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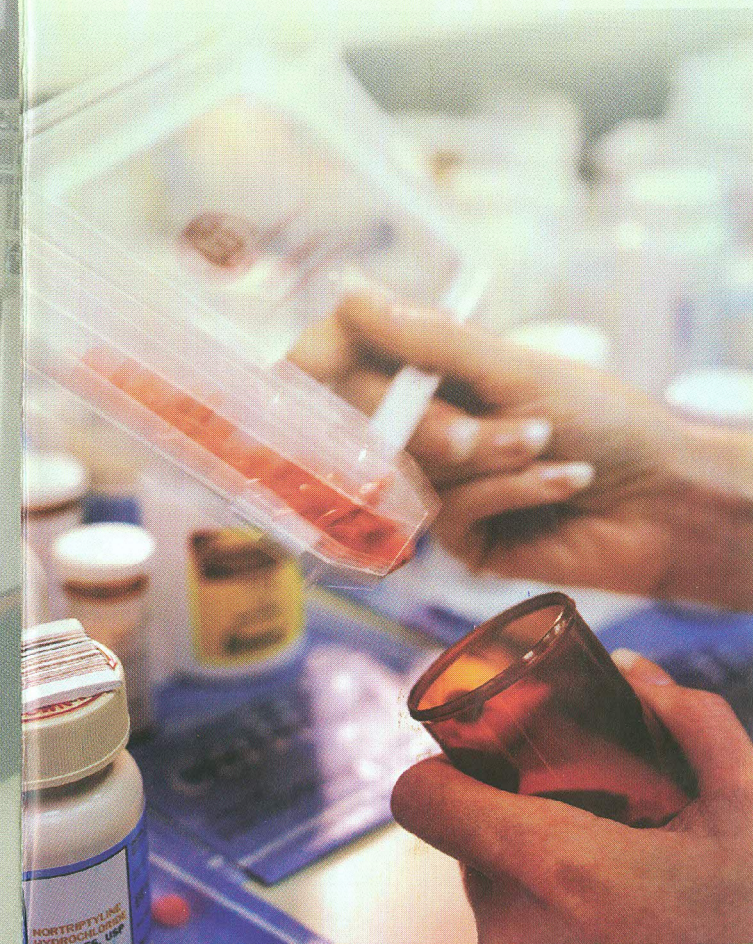
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# EDUCATION SERIES ON DOPING CONTROL - 2

## WADA 2016 BANNED LIST





Doping is defined as per World Anti-Doping Agency (WADA) as the occurrence of one or more of the anti-doping rule violations mentioned in the WADA code.

**The anti-doping rule violations are:**

1. The presence of a Prohibited Substance in an Athlete's bodily specimen.
2. Use of a Prohibited Substance or a Prohibited Method.
3. Refusing to submit to Sample Collection after notification.
4. Violation of applicable requirements regarding Athlete availability for Out-of-Competition Testing.
5. Tampering with any part of Doping Control.
6. Possession of Prohibited Substances and Methods.
7. Trafficking in any Prohibited Substance or Prohibited Method.
8. Administration of a Prohibited Substance or Prohibited Method to any Athlete.
9. From 2012 onwards WADA added additional category **S0. NON-APPROVED SUBSTANCES** which comprises of any pharmacological substance which is not addressed.

SL	Name of Chemical
<b>A. Prohibited Substances</b>	
<b>S0. NON-APPROVED SUBSTANCES*</b>	
<b>S1. ANABOLIC AGENTS</b>	
<b>1a. Exogenous AAS</b>	
1.	1-androstenediol
2.	1-androstenedione
3.	Bolandiol
4.	Bolasterone
5.	Boldenone
6.	Boldione
7.	Calusterone
8.	Clostebol
9.	Danazol
10.	Dehydrochloromethyltestosterone
11.	Desoxymethyltestosterone
12.	Drostanolone
13.	Ethylestrenol
14.	Fluoxymesterone
15.	Formebolone
16.	Furazabol
17.	Gestrinone
18.	4-hydroxytestosterone

SL	Name of Chemical
19.	Mestanolone
20.	Mesterolone
21.	Metandienone
22.	Metenolone
23.	Methandriol
24.	Methasterone
25.	Methyldienolone
26.	Methyl-1-testosterone
27.	Methylnortestosterone
28.	Methyltestosterone
29.	Metribolone
30.	Mibolerone
31.	Nandrolone
32.	19-norandrostenedione
33.	Norboletone
34.	Norclostebol
35.	Norethandrolone
36.	Oxabolone
37.	Oxandrolone
38.	Oxymesterone
39.	Oxymetholone
40.	Prostanazol



SL	Name of Chemical
41.	Quinbolone
42.	Stanozolol
43.	Stenbolone
44.	1-testosterone
45.	Tetrahydrogestrinone
46.	Trenbolone
<b>1b. Endogenous AAS</b>	
47.	Androstenediol
48.	Androstenedione
49.	Dihydrotestosterone
50.	Prasterone
51.	Testosterone
52.	5 $\alpha$ -androstane-3 $\alpha$ ,17 $\alpha$ -diol
53.	5 $\alpha$ -androstane-3 $\alpha$ ,17 $\beta$ -diol
54.	5 $\alpha$ -androstane-3 $\beta$ ,17 $\alpha$ -diol
55.	5 $\alpha$ -androstane-3 $\beta$ ,17 $\beta$ -diol
56.	5 $\beta$ -androstane-3 $\alpha$ ,17 $\beta$ -diol
57.	Androst-4-ene-3 $\alpha$ ,17 $\alpha$ -diol
58.	Androst-4-ene-3 $\alpha$ ,17 $\beta$ -diol
59.	Androst-4-ene-3 $\beta$ ,17 $\alpha$ -diol
60.	Androst-5-ene-3 $\alpha$ ,17 $\alpha$ -diol
61.	Androst-5-ene-3 $\alpha$ ,17 $\beta$ -diol
62.	Androst-5-ene-3 $\beta$ ,17 $\alpha$ -diol
63.	4-androstenediol
64.	5-androstenedione
65.	Androsterone
66.	Epi-dihydrotestosterone
67.	Epitestosterone
68.	Etiocholanolone
69.	7 $\alpha$ -hydroxy-DHEA
70.	7 $\beta$ -hydroxy-DHEA
71.	7-keto-DHEA
72.	19-norandrosterone
73.	19-noretiocholanolone
<b>2. Other Anabolic Agents</b>	
74.	Clenbuterol
75.	Selective androgen receptor modulators (SARMs)
76.	Tibolone
77.	Zeranol
78.	Zilpaterol

SL	Name of Chemical
<b>S2. PEPTIDE HORMONES, GROWTH FACTORS, RELATED SUBSTANCES AND MIMETICS</b>	
1.	Erythropoietin-Receptor agonists:
1.1	Erythropoiesis-Stimulating Agents (ESAs); erythropoietins (EPO); EPO-Fc; EPO-mimetic peptides (EMP) and methoxy polyethylene glycol-epoetin beta (CERA);
1.2	Non-erythropoietic EPO-Receptor agonists
2.	Hypoxia-inducible factor (HIF) stabilizers and HIF activators
3.	Chorionic Gonadotrophin (CG) and Luteinizing Hormone (LH) & their releasing factors
4.	Corticotrophins & their releasing factors
5.	Growth Hormone (GH) & its releasing factors
6.	Fibroblast Growth Factors (FGFs)
7.	Hepatocyte Growth Factor (HGF)
8.	Insulin-like Growth Factor-1 (IGF-1) and its analogues
9.	Mechano Growth Factors (MGFs)
10.	Platelet-Derived Growth Factor (PDGF)
11.	Vascular-Endothelial Growth Factor (VEGF)
<b>S3. BETA-2 AGONISTS</b>	
1.	Bitolterol
2.	Orciprenaline
3.	Reproterol
4.	Rimiterol
5.	Terbutaline (Oral Preps)
6.	Formoterol
7.	Bambuterol
<b>S4. HORMONE AND METABOLIC MODULATORS</b>	
<b>A. Aromatase inhibitors</b>	
1.	Aminoglutethimide
2.	Anastrozole
3.	Androsta-1,4,6-triene-3,17-dione
4.	4-androstene-3,6,17-trione
5.	Exemestane
6.	Formestane
7.	Letrozole
8.	Testolactone



SL	Name of Chemical
<b>B Selective Estrogen Receptor Modulators (SERMs)</b>	
1.	Raloxifene
2.	Tamoxifen
3.	Toremifene
<b>C Other anti-estrogenic substances</b>	
1.	Clomiphene
2.	Cyclofenil
3.	Fulvestrant
<b>D Agents modifying myostatin function</b>	
1.	Myostatin inhibitors
<b>E Metabolic modulators</b>	
1.	Activators of the AMP-activated protein kinase AICAR), and Peroxisome Proliferator Activated Receptor $\delta$ (PPAR $\delta$ ) agonists (GW 1516)
2.	Insulins & insulin - mimetics
3.	Trimetazidine
4.	Meldonium
<b>S5. DIURETICS AND MASKING AGENTS</b>	
1.	Acetazolamide
2.	Amiloride
3.	Bumetanide
4.	Canrenone
5.	Chlortalidone
6.	Etacrynic acid
7.	Furosemide
8.	Indapamide
9.	Metolazone
10.	Spirolactone
11.	Thiazides
12.	Bendroflumethiazide
13.	Chlorothiazide
14.	Hydrochlorothiazide
15.	Triamterene
16.	Vaptans
17.	Tolvaptan
18.	Desmopressin
19.	Probenecid
20.	Glycerol
21.	Albumin
22.	Dextran
23.	Hydroxyethyl starch
24.	Mannitol

SL	Name of Chemical
<b>S6. STIMULANTS</b>	
<b>A Specified Stimulants</b>	
1.	Benzfetamine
2.	Cathine**
3.	Cathinone and its analogues
4.	Mephedrone
5.	Methedrone
6.	$\alpha$ -pyrrolidinovalerophenone
7.	Dimethylamphetamine
8.	Ephedrine***
9.	Epinephrine**** (adrenaline)
10.	Etamivan
11.	Etilamfetamine
12.	Etilefrine
13.	Famprofazone
14.	Fenbutrazate
15.	Fencamfamin
16.	Heptaminol
17.	Hydroxymfetamine (p-OH amphetamine)
18.	Isometheptene
19.	Levmetamfetamine
20.	Meclofenoxate
21.	Methylenedioxymfetamine
22.	Methylephedrine***
23.	Methylhexanamine (dimethylpentylamine)
24.	Methylphenidate
25.	Nikethamide
26.	Norfenefrine
27.	Octopamine
28.	Oxiofrine (methysynephrine)
29.	Pemoline
30.	Pentetrazol
31.	Phenethylamine
32.	Phenmetrazine
33.	Phenpromethamine
34.	Propylhexedrine
35.	Pseudoephedrine*****
36.	Selegiline
37.	Sibutramine
38.	Strychnine
39.	Tenamfetamine (methylenedioxyamphetamine)