



# THE LIST

THE 2005 PROHIBITED LIST  
INTERNATIONAL STANDARD

 **WADA**  
play true

THE 2005   
PROHIBITED  
LIST INTERNATIONAL  
STANDARD

THE WORLD ANTI-DOPING CODE

## 2005 Prohibited List

Published by:

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The official text of the *Prohibited List* shall be maintained by **WADA** and shall be published in English and French. In the event of any conflict between the English and French versions, the English version shall prevail.

This List is effective as of **1 January 2005**.

The use of any drug should be limited to medically justified indications.



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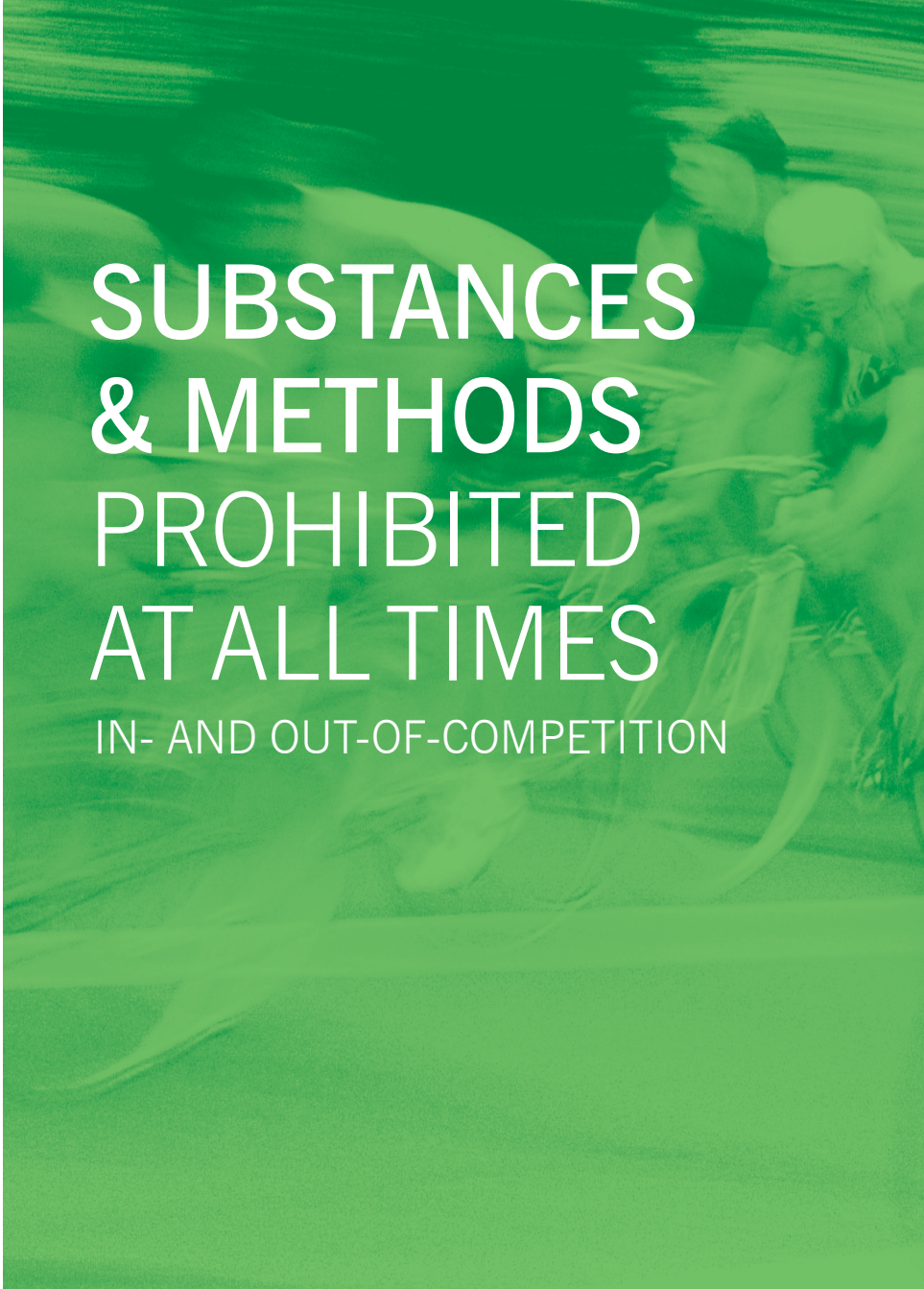
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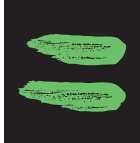
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**SUBSTANCES  
& METHODS  
PROHIBITED  
AT ALL TIMES**

IN- AND OUT-OF-COMPETITION

# PROHIBITED SUBSTANCES



## S1. ANABOLIC AGENTS

Anabolic agents are prohibited.

### 1. Anabolic Androgenic Steroids (AAS)

a. Exogenous\* AAS, including:

18 $\alpha$ -homo-17 $\beta$ -hydroxyestr-4-en-3-one	metenolone
bolasterone	methandienone
boldenone	methandriol
boldione	methyldienolone
calusterone	methyltrienolone
clostebol	methyltestosterone
danazol	mibolerone
dehydrochloromethyl- testosterone	nandrolone
delta1-androstene-3,17-dione	19-norandrostenediol
delta1-androstenediol	19-norandrostenedione
delta1-dihydro-testosterone	norbolethone
drostanolone	norclostebol
ethylestrenol	norethandrolone
fluoxymesterone	oxabolone
formebolone	oxandrolone
furazabol	oxymesterone
gestrinone	oxymetholone
4-hydroxytestosterone	quinbolone
4-hydroxy-19-nortestosterone	stanozolol
mestanolone	stenbolone
mesterolone	tetrahydrogestrinone
	trenbolone

and other substances with a similar chemical structure or similar biological effect(s).

\* "exogenous" refers to a substance which is not capable of being produced by the body naturally.

b. Endogenous\*\* AAS:

androstenediol (androst-5-ene-3 $\beta$ ,17 $\beta$ -diol)  
androstenedione (androst-4-ene-3,17-dione)  
dehydroepiandrosterone (DHEA)  
dihydrotestosterone  
testosterone

and the following metabolites and isomers:

5 $\alpha$ -androstane-3 $\alpha$ ,17 $\alpha$ -diol  
5 $\alpha$ -androstane-3 $\alpha$ ,17 $\beta$ -diol  
5 $\alpha$ -androstane-3 $\beta$ ,17 $\alpha$ -diol  
5 $\alpha$ -androstane-3 $\beta$ ,17 $\beta$ -diol  
androst-4-ene-3 $\alpha$ ,17 $\alpha$ -diol  
androst-4-ene-3 $\alpha$ ,17 $\beta$ -diol  
androst-4-ene-3 $\beta$ ,17 $\alpha$ -diol  
androst-5-ene-3 $\alpha$ ,17 $\alpha$ -diol  
androst-5-ene-3 $\alpha$ ,17 $\beta$ -diol  
androst-5-ene-3 $\beta$ ,17 $\alpha$ -diol  
4-androstenediol (androst-4-ene-3 $\beta$ ,17 $\beta$ -diol)  
5-androstenedione (androst-5-ene-3,17-dione)  
epi-dihydrotestosterone  
3 $\alpha$ -hydroxy-5 $\alpha$ -androstan-17-one  
3 $\beta$ -hydroxy-5 $\alpha$ -androstan-17-one  
19-norandrosterone  
19-noretiocholanolone

Where a *Prohibited Substance* (as listed above) is capable of being produced by the body naturally, a *Sample* will be deemed to contain such *Prohibited Substance* where the concentration of the *Prohibited Substance* or its metabolites or markers and/or any other relevant ratio(s) in the *Athlete's Sample* so deviates from the range of values normally found in humans that it is unlikely to be consistent with normal endogenous production. A *Sample* shall not be deemed to contain a *Prohibited Substance* in any such case where the *Athlete* proves by evidence that the concentration

\*\* "endogenous" refers to a substance which is capable of being produced by the body naturally.

of the *Prohibited Substance* or its metabolites or markers and/or the relevant ratio(s) in the *Athlete's Sample* is attributable to a physiological or pathological condition. In all cases, and at any concentration, the laboratory will report an *Adverse Analytical Finding* if, based on any reliable analytical method, it can show that the *Prohibited Substance* is of exogenous origin.

If the laboratory result is not conclusive and no concentration as referred to in the above paragraph is found, the relevant *Anti-Doping Organization* shall conduct a further investigation if there are serious indications, such as a comparison to reference steroid profiles, for a possible *Use of a Prohibited Substance*.

If the laboratory has reported the presence of a T/E ratio greater than four (4) to one (1) in the urine, further investigation is obligatory in order to determine whether the ratio is due to a physiological or pathological condition, except if the laboratory reports an *Adverse Analytical Finding* based on any reliable analytical method, showing that the *Prohibited Substance* is of exogenous origin.

In case of an investigation, it will include a review of any previous and/or subsequent tests. If previous tests are not available, the *Athlete* shall be tested unannounced at least three times within a three month period.

Should an *Athlete* fail to cooperate in the investigations, the *Athlete's Sample* shall be deemed to contain a *Prohibited Substance*.

## 2. Other Anabolic Agents, including but not limited to:

clenbuterol  
zeranol  
zilpaterol

## S2. HORMONES AND RELATED SUBSTANCES

The following substances, including other substances with a similar chemical structure or similar biological effect(s), and their releasing factors, are prohibited:

1. Erythropoietin (EPO)
2. Growth Hormone (hGH), Insulin-like Growth Factor (IGF-1), Mechano Growth Factors (MGFs)
3. Gonadotrophins (LH, hCG)
4. Insulin
5. Corticotrophins

Unless the *Athlete* can demonstrate that the concentration was due to a physiological or pathological condition, a *Sample* will be deemed to contain a *Prohibited Substance* (as listed above) where the concentration of the *Prohibited Substance* or its metabolites and/or relevant ratios or markers in the *Athlete's Sample* so exceeds the range of values normally found in humans so that it is unlikely to be consistent with normal endogenous production.

The presence of other substances with a similar chemical structure or similar biological effect(s), diagnostic marker(s) or releasing factors of a hormone listed above or of any other finding which indicate(s) that the substance detected is of exogenous origin, will be reported as an *Adverse Analytical Finding*.

## S3. BETA-2 AGONISTS

All beta-2 agonists including their D- and L-isomers are prohibited. Their use requires a Therapeutic Use Exemption.

As an exception, formoterol, salbutamol, salmeterol and terbutaline, when administered by inhalation to prevent and/or treat asthma and exercise-induced asthma/broncho-constriction require an abbreviated Therapeutic Use Exemption.

Despite the granting of a Therapeutic Use Exemption, when the Laboratory has reported a concentration of salbutamol (free plus glucuronide) greater than 1000 ng/mL, this will be considered as an *Adverse Analytical Finding* unless the athlete proves that the abnormal result was the consequence of the therapeutic use of inhaled salbutamol.

## S4. AGENTS WITH ANTI-ESTROGENIC ACTIVITY

The following classes of anti-estrogenic substances are prohibited:

1. Aromatase inhibitors including, but not limited to:

anastrozole	formestane
aminogluthetimide	letrozole
exemestane	testolactone

2. Selective Estrogen Receptor Modulators (SERMs) including, but not limited to:

raloxifene  
tamoxifen  
toremifene

3. Other anti-estrogenic substances including, but not limited to:

clomiphene  
cyclofenil  
fulvestrant

## S5. DIURETICS AND OTHER MASKING AGENTS

Diuretics and other masking agents are prohibited.  
Masking agents include but are not limited to:

diuretics\*  
epitestosterone  
probenecid  
alpha-reductase inhibitors  
(e.g. finasteride, dutasteride)  
plasma expanders  
(e.g. albumin, dextran, hydroxyethyl starch)

Diuretics include:

acetazolamide	indapamide
amiloride	metolazone
bumetanide	spironolactone
canrenone	thiazides (e.g. bendroflumethiazide, chlorothiazide, hydrochlorothiazide)
chlortalidone	triamterene
etacrynic acid	
furosemide	

and other substances with a similar chemical structure or similar biological effect(s).

\* A Therapeutic Use Exemption is not valid if an *Athlete's* urine contains a diuretic in association with threshold or sub-threshold levels of a *Prohibited Substance(s)*.

## PROHIBITED METHODS



### M1. ENHANCEMENT OF OXYGEN TRANSFER

The following are prohibited:

- a. Blood doping, including the use of autologous, homologous or heterologous blood or red blood cell products of any origin, other than for medical treatment.
- b. Artificially enhancing the uptake, transport or delivery of oxygen, including but not limited to perfluorochemicals, efaproxiral (RSR13) and modified haemoglobin products (e.g. haemoglobin-based blood substitutes, microencapsulated haemoglobin products).

### M2. CHEMICAL AND PHYSICAL MANIPULATION

The following is prohibited:

*Tampering*, or attempting to tamper, in order to alter the integrity and validity of *Samples* collected in *Doping Controls*.

These include but are not limited to intravenous infusions\*, catheterization, and urine substitution.

### M3. GENE DOPING

The non-therapeutic use of cells, genes, genetic elements, or of the modulation of gene expression, having the capacity to enhance athletic performance, is prohibited.

\* Except as a legitimate acute medical treatment, intravenous infusions are prohibited.



**SUBSTANCES  
& METHODS  
PROHIBITED  
IN-COMPETITION**

In addition to the previously listed categories S1, S2, S3, S4, S5 and M1, M2, M3, the following are prohibited *in-competition*:



## S6. STIMULANTS

The following stimulants are prohibited, including both their optical (D- and L-) isomers where relevant:

adrafinil	furfenorex
amfepramone	mefenorex
amiphenazole	mephentermine
amphetamine	mesocarb
amphetaminil	methamphetamine
benzphetamine	methylamphetamine
bromantan	methylenedioxyamphetamine,
carphedon	methylenedioxymethamphetamine
cathine*	methylephedrine**
clobenzorex	methylphenidate
cocaine	modafinil
dimethylamphetamine	nikethamide
ephedrine**	norfenfluramine
etilamphetamine	parahydroxyamphetamine
etilefrine	pemoline
famprofazone	phendimetrazine
fencamfamin	phenmetrazine
fencamine	phentermine
fenetylline	prolintane
fenfluramine	selegiline
fenproporex	strychnine

and other substances with a similar chemical structure or similar biological effect(s)\*\*\*.

NOTE: Adrenaline associated with local anaesthetic agents or by local administration (e.g. nasal, ophthalmologic) is not prohibited.

\* **Cathine** is prohibited when its concentration in urine is greater than 5 micrograms per milliliter.

\*\* Each of **ephedrine** and **methylephedrine** is prohibited when its concentration in urine is greater than 10 micrograms per milliliter.

\*\*\* The substances included in the 2005 Monitoring Program (bupropion, caffeine, phenylephrine, phenylpropanolamine, pipradrol, pseudoephedrine, synephrine) are not considered as Prohibited Substances.

## S7. NARCOTICS

The following narcotics are prohibited:

buprenorphine	morphine
dextromoramide	oxycodone
diamorphine (heroin)	oxymorphone
fentanyl and its derivatives	pentazocine
hydromorphone	pethidine
methadone	

## S8. CANNABINOIDS

Cannabinoids (e.g. hashish, marijuana) are prohibited.

## S9. GLUCOCORTICOSTEROIDS

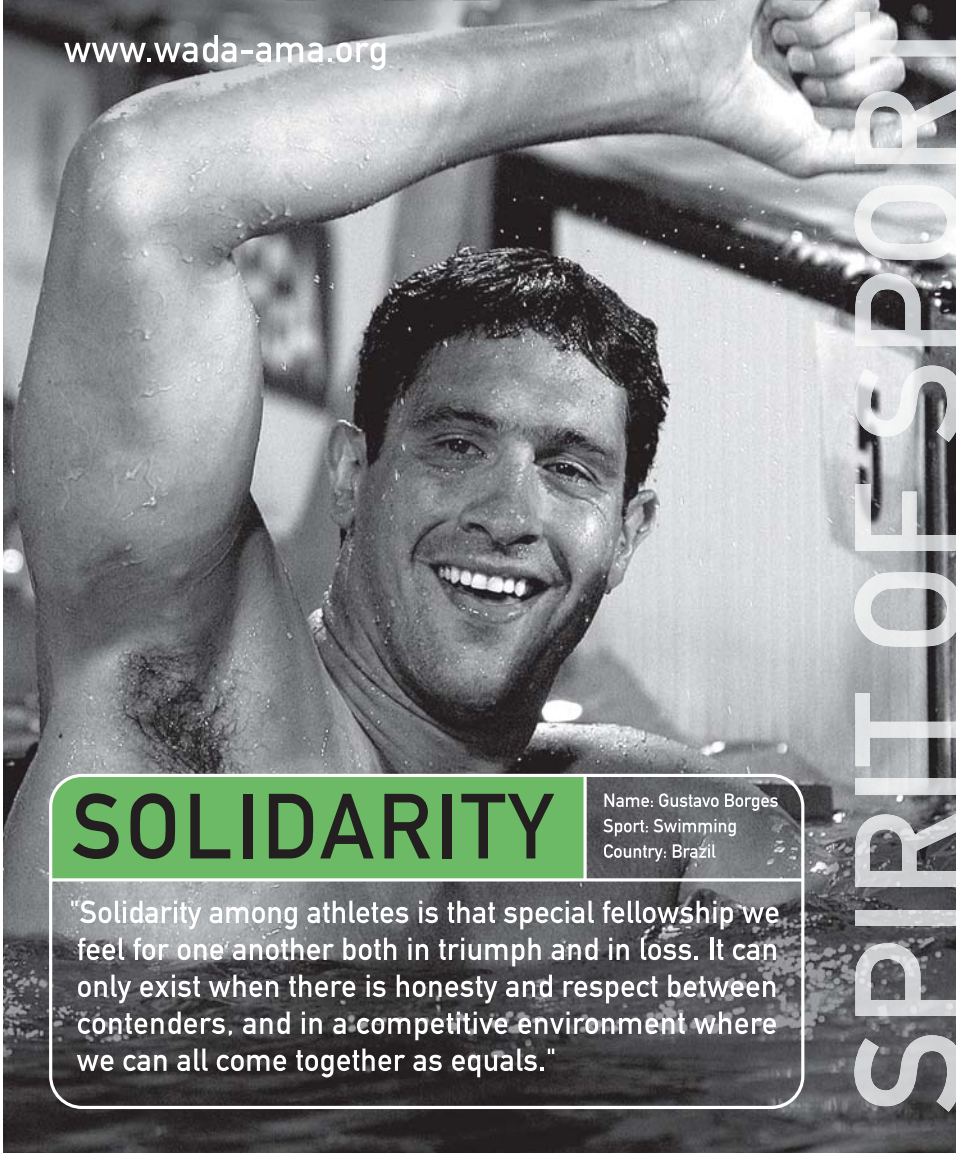
All glucocorticosteroids are prohibited when administered orally, rectally, intravenously or intramuscularly. Their use requires a Therapeutic Use Exemption approval.

All other routes of administration require an abbreviated Therapeutic Use Exemption.

Dermatological preparations are not prohibited.



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## SOLIDARITY

Name: Gustavo Borges  
Sport: Swimming  
Country: Brazil

"Solidarity among athletes is that special fellowship we feel for one another both in triumph and in loss. It can only exist when there is honesty and respect between contenders, and in a competitive environment where we can all come together as equals."

SPIRIT OF SPORT



**SUBSTANCES  
PROHIBITED  
IN PARTICULAR  
SPORTS**

# PROHIBITED SUBSTANCES



## P1. ALCOHOL

Alcohol (ethanol) is prohibited *in-competition* only, in the following sports. Detection will be conducted by analysis of breath and/or blood. The doping violation threshold for each Federation is reported in parenthesis.

Aeronautic (FAI)	(0.20 g/L)
Archery (FITA)	(0.10 g/L)
Automobile (FIA)	(0.10 g/L)
Billiards (WCBS)	(0.20 g/L)
Boules (CMSB)	(0.10 g/L)
Karate (WKF)	(0.10 g/L)
Modern Pentathlon (UIPM) for disciplines involving shooting	(0.10 g/L)
Motorcycling (FIM)	(0.00 g/L)
Skiing (FIS)	(0.10 g/L)

## P2. BETA-BLOCKERS

Unless otherwise specified, beta-blockers are prohibited *in-competition* only, in the following sports.

Aeronautic (FAI)  
Archery (FITA) (also prohibited *out-of-competition*)  
Automobile (FIA)  
Billiards (WCBS)  
Bobsleigh (FIBT)  
Boules (CMSB)  
Bridge (FMB)  
Chess (FIDE)  
Curling (WCF)  
Gymnastics (FIG)  
Motorcycling (FIM)  
Modern Pentathlon (UIPM) for disciplines involving shooting  
Nine-pin bowling (FIQ)  
Sailing (ISAF) for match race helms only  
Shooting (ISSF) (also prohibited *out-of-competition*)  
Skiing (FIS) in ski jumping & free style snow board  
Swimming (FINA) in diving & synchronised swimming  
Wrestling (FILA)

Beta-blockers include, but are not limited to, the following:

acebutolol	carvedilol	nadolol
alprenolol	celiprolol	oxprenolol
atenolol	esmolol	pindolol
betaxolol	labetalol	propranolol
bisoprolol	levobunolol	sotalol
bunolol	metipranolol	timolol
carteolol	metoprolol	

# SPECIFIED SUBSTANCES

“Specified Substances”\* are listed below:

ephedrine  
L-methylamphetamine  
methylephedrine  
cannabinoids  
all inhaled beta-2 agonists, except clenbuterol  
probenecid  
all glucocorticosteroids  
all beta blockers  
alcohol

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\* *“The Prohibited List may identify specified substances which are particularly susceptible to unintentional anti-doping rule violations because of their general availability in medicinal products or which are less likely to be successfully abused as doping agents.” A doping violation involving such substances may result in a reduced sanction provided that the “...Athlete can establish that the use of such a specified substance was not intended to enhance sport performance...”*



SPIRIT OF SPORT

[www.wada-ama.org](http://www.wada-ama.org)

**EXCELLENCE**

Name: Tracey Ferguson  
Sport: Basketball  
Country: Canada

"Athletes strive to take their performance to the next level... Excellence is not only the difference between a competitor and a champion, but defines every athlete who has the courage to push the limit."