

S3. BETA-2 AGONISTS

All selective and non-selective **beta-2 agonists**, including all **optical isomers**, are prohibited;

Including, but not limited to:

Fenoterol; formoterol; higenamine; indacaterol; olodaterol; procaterol; reproterol; salbutamol; salmeterol; terbutaline; vilanterol.

Except:

- Inhaled **salbutamol**: maximum 1600 micrograms over 24 hours, not to exceed 800 micrograms every 12 hours;
- Inhaled **formoterol**: maximum delivered dose of 54 micrograms over 24 hours;
- Inhaled **salmeterol**: maximum 200 micrograms over 24 hours.

The presence in urine of salbutamol in excess of 1000 ng/mL or formoterol in excess of 40 ng/mL is presumed not to be an intended therapeutic use of the substance and will be considered as an *Adverse Analytical Finding (AAF)* unless the *Athlete* proves, through a controlled pharmacokinetic study, that the abnormal result was the consequence of the use of the therapeutic dose (by inhalation) up to the maximum dose indicated above.

S4. HORMONE AND METABOLIC MODULATORS

The following **hormone** and **metabolic modulators** are prohibited:

1. **Aromatase inhibitors** including, but not limited to:
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. **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.**
4. **Agents modifying myostatin function(s)** including, but not limited, to: **myostatin inhibitors.**