STATUS DECISION OF CONTROLLED
AND NON-CONTROLLED SUBSTANCE(S)

Substance: 4beta-Hydroxystanozolol

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ✓
- Not Controlled □

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

• The substance is a metabolite of stanozolol and is captured under item 23(38) of Schedule IV to the CDSA.

Prepared by: ____________________________ Date: July 18, 2011

Zack Li

Verified by: ____________________________ Date: __________

Mark Kozlowski

Approved by: ____________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Brigitte Mainville, OCS
Drug Status Report

**Drug:** 4beta-Hydroxystanozolol

**Drug Name Status:** 4beta-Hydroxystanozolol is the common name.

**Chemical Name:** (5alpha,17beta)-17-Methyl-2'H-androst-2-eno[3,2-c]pyrazol-,4b,17-diol

**Chemical structure:**

![Chemical structure of 4beta-Hydroxystanozolol]

**Molecular Formula:** C$_{21}$H$_{32}$N$_2$O$_2$

**Pharmacological class / Application:** Anabolic steroids and derivatives

**International status:**

US: 4beta-hydroxystanozolol is not listed on the schedules to the US Controlled Substances Act and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed on the Yellow List - List of Narcotic Drugs under International Control, the Green List - List of Psychotropic Substances under International Control, nor the Red List - List of Precursors and Chemicals Frequently Used in the Illicit Manufacture of Narcotic Drugs and Psychotropic Substances Under International Control.

Canadian Status: 4beta-Hydroxystanozolol is a metabolite of stanozolol, an anabolic steroid that has been reported to be used in sports doping$^1$. Stanozolol (17β-hydroxy-17-methyl-5α-

androstano[3,2-c]pyrazole) is currently listed as item 23(38) of Schedule IV of the CDSA under the heading “Anabolic steroids and their derivatives”. Therefore, as a metabolite of stanozolol, the substance is captured item 23(38) of Schedule IV to the CDSA as a derivative of stanozolol and is considered a controlled substance.

**Recommendation:** 4beta-Hydroxystanozolol is included under item 23(38) of Schedule IV to the CDSA and is a controlled substance.

**Date:** July 18, 2011