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

Substance: 4alpha-Hydroxystanozolol

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

- Controlled X
- 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: ______________
Vincent Marleau

Verified by: _____________________________ Date: ______________
Mark Kozlowski

Approved by: _____________________________ Date: ______________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: “third party information removed as per agreement with applicant”
Drug Status Report

Drug: 4alpha-Hydroxystanozolol

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

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

Other Names: (1S,3aS,3bR,5aR,6S,10aR,10bS,12aS)-1,10a,12a-trimethyl-1,2,3,3a,3b,4,5,5a,6,7,10,10a,10b,11,12,12a-hexadecahydrocyclopenta[5,6]naptho[1,2-f]indazole-1,6-diol.

Chemical structure:

![Chemical structure of 4alpha-Hydroxystanozolol]

Molecular Formula: C_{21}H_{32}N_{2}O_{2}

Pharmacological class / Application: Anabolic Steroid

CAS-RN: 100356-20-5

International status:

US: 4alpha-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: 4alpha-Hydroxystanozolol is a metabolite of stanozolol, an anabolic steroid that has been reported to be used in sports doping. Stanozolol (17ß-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.

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

**Date:** June 29, 2012.