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

Substance: 5alpha-Estrane-3beta,17beta-diol

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 nandrolone and therefore included under item 23(28) of Schedule IV to the CDSA.

Prepared by: ____________________________ Date: January 27th, 2012
Evelyn C Soo

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: 5alpha-Estrane-3beta,17beta-diol

Drug Name Status: 5alpha-Estrane-3beta,17beta-diol is the common name.

Chemical Name: 5alpha-Estrane-3beta,17beta-diol

Chemical structure:

\[
\text{Molecular Formula: } C_{18}H_{30}O_2
\]

Pharmacological class / Application: Steroid

CAS-RN: N/A

International status:

US: 5alpha-Estrane-3beta,17beta-diol is not listed in the schedules to the US Controlled Substances Act and is not mentioned 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: 5alpha-Estrane-3beta,17beta-diol is not specifically listed in the schedules to the CDSA. This substance has been reported to be a metabolite of nandrolone\(^1\), which is listed as sub-Item 23(28) in Schedule IV to the CDSA under the heading “Anabolic steroids and their derivatives including”. As a metabolite of nandrolone, the substance is captured under sub-item 23(28) of Schedule IV to the CDSA as a derivative of an anabolic steroid.

Recommendation: 5alpha-Estrane-3beta,17beta-diol is included under sub-item 23(28) of Schedule IV to the CDSA and is a controlled substance.

Date: January 27th, 2012.