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

Substance: 2alpha,17alpha-dimethyl-1,4-androstadiene-3-one,17beta-ol

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 has not been reported to display any anabolic activity and therefore is not included under item 23 of Schedule IV to the CDSA.

Prepared by: _______________________________ Date: Feb 2nd 2011

Evelyn Soo

Verified by: _______________________________ Date: __________

Marianne Tang

Approved by: _______________________________ Date: __________

DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by: Shawna St-Phar, Inspectorate
Drug Status Report

**Drug:** 2alpha,17alpha-dimethyl-4-androstadiene-3-one,17beta-ol

**Drug Name Status:** 2alpha,17alpha-dimethyl-4-androstadiene-3-one,17beta-ol is the common name.

**Chemical Name:** 2alpha,17alpha-dimethyl-1,4-androstadiene-3-one,17beta-ol

**Other Names:** SD Matrix

**Chemical structure:**

![Chemical Structure Image]

**Molecular Formula:** \( \text{C}_{21}\text{H}_{30}\text{O}_{2} \)

**Pharmacological class / Application:** Steroid

**CAS-RN:** unknown

**International status:**
US: 2alpha,17alpha-dimethyl-1,4-androstadiene-3-one,17beta-ol is not listed specifically in the Schedules to the US *Controlled Substances Act* and is not mentioned anywhere on the DEA website.

United Nations: The substance is not listed specifically on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: 2alpha,17alpha-dimethyl-1,4-androstadiene-3-one,17beta-ol is not currently listed in the CDSA. The substance is claimed to be an ingredient in a nutritional supplement known as SD Matrix and marketed for body building purposes but there is no evidence in the scientific literature to support that this substance displays any anabolic activity or is derived from an anabolic steroid. Accordingly, the substance cannot be included under item 23 of Schedule IV to the CDSA.

**Recommendation:** 2alpha,17alpha-dimethyl-1,4-androstadiene-3-one,17beta-ol is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** 2 February 2011