Substance: Dexamethasone

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 glucocorticosteroid and has not been reported in the literature to display any anabolic activity nor derived from an anabolic steroid.

Prepared by: _______________________________ Date: Nov 26th 2010
Evelyn Soo

Verified by: _______________________________ Date: _________
Marianne Tang

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:** Dexamethasone

**Drug Name Status:** Dexamethasone is the proper (INN) name.

**Chemical Name:** (11beta,16alpha)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione

**Other Names:** 1-Dehydro-16alpha-methyl-9alpha-fluorohydrocortisone; 16alpha-methyl-9alpha-fluoro-1,4-pregnadiene-11beta,17alpha,21-triol-3,20-dione; 16alpha-methyl-9alpha-fluoro-1-dehydrocortisol; methylfluorprednisolone

**Chemical structure:**

![Chemical structure of Dexamethasone](image)

**Molecular Formula:** C_{22}H_{29}FO_{5}

**Pharmacological class / Application:** Glucocorticosteroid

**CAS-RN:** 50-02-2

**International status:**

US: Dexamethasone is not listed specifically in the schedules to the CSA 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Dexamethasone is a synthetic glucocorticosteroid that displays potent anti-inflammatory activity and is used for the treatment of inflammatory disorders such as allergies.
and asthma as well as autoimmune diseases\textsuperscript{1}. The substance has not been reported in the literature to display any anabolic activity and it is not a derivative of an anabolic steroid. Accordingly, dexamethasone cannot be included under the heading “Anabolic steroids and their derivatives” of item 23 of Schedule IV to the CDSA.

**Recommendation:** Dexamethasone is not included in any of the schedules to the CDSA and is not a controlled substance.

**Date:** 26\textsuperscript{th} November 2010