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

Substance: Diethylmorphine

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 derivative of morphine and therefore is included under item 1(3) of Schedule I to the CDSA.

Prepared by: ________________________________ Date: Oct 19th 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:** Diethylmorphine

**Drug Name Status:** Diethylmorphine is the common name.

**Chemical Name:** 8-Didehydro-4,5a-epoxy-3,6a-diethoxy-17-methyl-morphinan

**Chemical structure:**

![Chemical Structure Image]

**Molecular Formula:** $C_{20}H_{25}NO_3$

**CAS-RN:** 30811-09-7

**Pharmacological class / Application:** Derivative of morphine

**International status:**

US: The substance is not currently listed on 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: Diethylmorphine is not listed specifically in the CDSA. However, the substance is reported to be a synthetic impurity derived directly from morphine in the synthesis of ethyl morphine. Morphine is currently listed as sub-item 1(3) of Schedule I to the CDSA under the heading “Opium poppy (Papaver somniferum), its preparations, derivatives, alkaloids and salts including:”. As a derivative of morphine, diethylmorphine must be included under sub-item 1(3) of Schedule I to the CDSA.

**Recommendation:** Diethylmorphine is included under item 1(3) of Schedule I to the CDSA and is a controlled substance.

**Date:** 19 October 2010