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

Substance: 7-Dehydroxy Buprenorphine

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 buprenorphine and is included under item 10(1) of Schedule I to the CDSA.

Prepared by: ___________________________ Date: October 25th, 2011

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**: 7-Dehydroxy Buprenorphine

**Drug Name Status**: 7-Dehydroxy Buprenorphine is the common name.

**Chemical Name**: (5a,7a)-17-(Cyclopropylmethyl)-7-(2,2-dimethyl-1-methylenepropyl)-4,5-epoxy-18,19-dihydro-6-methoxy-6,14-ethenomorphinan-3-ol.

**Other name**: Buprenorphine impurity F.

**Chemical structure**:

![Chemical Structure Image]

**Molecular Formula**: C_{29}H_{39}NO_{3}

**Pharmacological class / Application**: Pharmaceutical-related substance

**CAS-RN**: 97203-04-8

**International status**:

US: 7-Dehydroxy Buprenorphine is not specifically listed in the Schedules to the US *Controlled Substances Act*.

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: 7-Dehydroxy Buprenorphine is not specifically listed in the CDSA. However, this substance is a derivative of buprenorphine, which is listed as item 10(1) in Schedule I to the CDSA under the heading “Morphinans, their salts, derivatives and salts of derivatives including:”. Therefore as a derivative of buprenorphine, this substance is captured under buprenorphine and included under item 10(1) of Schedule I to the CDSA.

**Recommendation**: 7-Dehydroxy Buprenorphine is included under item 10(1) of Schedule I to the CDSA and is a controlled substances.

**Date**: October 25th, 2011