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

Substance:  I- Δ8-Tetrahydrocannabinolic acid  
           II- Δ8-Tetrahydrocannabinolic acid B

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):

• Δ8-Tetrahydrocannabinolic acid and Δ8-Tetrahydrocannabinolic acid B are naturally occurring cannabinoids in Cannabis sativa and therefore included in Item 1 of Schedule II to the CDSA.

Prepared by: ___________________________ Date: November 18th, 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:**

I- Δ8-Tetrahydrocannabinolic acid  
II- Δ8-Tetrahydrocannabinolic acid B

**Drug Name Status:**

I- Δ8-Tetrahydrocannabinolic acid  
II- Δ8-Tetrahydrocannabinolic acid B are the common names.

**Chemical Name:**

I- (6aR,10aR)-1-hydroxy-6,6,9-trimethyl-3-pentyl-6a,7,10,10a-tetrahydro-6H-benzo[c]chromene-2-carboxylic acid  
II- (6aR,10aR)-1-hydroxy-6,6,9-trimethyl-3-pentyl-6a,7,10,10a-tetrahydro-6H-benzo[c]chromene-4-carboxylic acid

**Other Names:**

I- Δ8-THCA  
II- Δ8-THCA-B

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:**

I- C\(_{22}\)H\(_{30}\)O\(_4\); II- C\(_{22}\)H\(_{30}\)O\(_4\)

**Pharmacological class / Application:**

Cannabinoids

**CAS-RN:**

I- 23978-89-4; II- 23978-84-9

**International status:**

US: Δ8-Tetrahydrocannabinolic acid and Δ8-Tetrahydrocannabinolic acid B are not listed in the *US Controlled Substances Act* and are not mentioned anywhere on the DEA website.

United Nations: The substances are 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: Δ8-Tetrahydrocannabinolic acid and Δ8-Tetrahydrocannabinolic acid B are not listed in the schedules to the CDSA. However, the substances are naturally occuring
cannabinoids in *Cannabis sativa*, which is included as Item 1 of Schedule II to the CDSA with the heading “Cannabis, its preparations, derivatives and similar synthetic preparations, including”. Therefore, these substances are included as preparations and are considered controlled substances.

**Recommendation:** Δ8-Tetrahydrocannabinolic acid and Δ8-Tetrahydrocannabinolic acid B are included in Item 1 of Schedule II to the CDSA and are controlled substances.

**Date:** November 28th, 2011

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