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

Substance:  
I - JWH-018 N-chloropentyl metabolite  
II - JWH-122 N-pentylhydroxyl metabolite

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 substances are metabolites of JWH-018 or JWH-122 and are included under item 1 of Schedule II to the CDSA.

Prepared by: _______________________________  Date: ________________

Vincent Marleau

Verified by: _______________________________  Date: ________________

Mark Kozlowski

Approved by: _______________________________  Date: ________________  
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by:  Julie Delahunt, Canada Border Services Agency
Drug Status Report

**Drugs:** I - JWH-018 N-chloropentyl metabolite  
II - JWH-122 N-pentylhydroxyl metabolite

**Drug Name Status:** I - JWH-018 N-chloropentyl metabolite  
II - JWH-122 N-pentylhydroxyl metabolite are the common names.

**Chemical Name:**  
I – (1-(5-chloropentyl)-1H-indol-3-yl)(naphthalene-1-yl)methanone  
II – (1-(5-hydroxypentyl)-1H-indol-3-yl)-(4-methyl-1-naphthalen-1-yl)methanone

**Chemical structure:**

I - JWH-018 N-chloropentyl metabolite  
II - JWH-122 N-pentylhydroxyl metabolite

**Molecular Formula:** I- C_{24}H_{22}ClNO; II- C_{25}H_{25}NO_2

**Pharmacological class / Application:** Synthetic cannabinoid

**CAS-RN:** N/A

**International status:**

US: JWH-018 N-chloropentyl metabolite and JWH-122 N-pentylhydroxyl metabolite are not listed specifically in the Schedules to the US *Controlled Substances Act* and are not mentioned anywhere on the DEA website. However, it is noteworthy that the parent drug JWH-018, its salts, isomers, and isomers of salts have been temporarily added to Schedule I of the Controlled Substances Act.

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: Both JWH-018 N-chloropentyl metabolite and JWH-122 N-pentylhydroxyl metabolite are not listed specifically in the Schedules to the CDSA. However, JWH-018 and JWH-122 have been reviewed and are included under Item 1 of Schedule II to the CDSA under the heading “Cannabis, its preparations, derivatives and similar synthetic preparations, including”. As metabolites of JWH-018 and JWH-122, these substances are derivatives of JWH-018 and JWH-122 respectively and therefore also captured under Item 1 of Schedule II to the CDSA.
**Recommendation:** JWH-018 N-chloropentyl metabolite and JWH-122 N-pentylhydroxyl metabolite are included under item 1 of Schedule II to the CDSA and are controlled substances.

**Date:** April 5th, 2012.