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

Substance:  I- JWH-398 2-chloronaphthyl isomer
II- JWH-398 7-chloronaphthyl isomer

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):

- It has not been established as to whether these substances are efficacious cannabinoid receptor agonists and therefore they cannot be 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: “third party information removed as per agreement with applicant”
Drug Status Report

**Drug:**
- I- JWH-398 2-chloronaphthyl isomer
- II- JWH-398 7-chloronaphthyl isomer

**Drug Name Status:**
- I- JWH-398 2-chloronaphthyl isomer and JWH-398 7-chloronaphthyl isomer are the common names.

**Chemical Name:**
- I- (2-chloronaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone
- II- (7-chloronaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone

**Other Names:**
- I- JWH 398 2-chloronaphthyl isomer
- II- JWH 398 7-chloronaphthyl isomer

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:**
- I- C\(_{24}\)H\(_{22}\)ClNO
- II- C\(_{24}\)H\(_{22}\)ClNO

**Pharmacological class / Application:** Synthetic cannabinoid

**CAS-RN:**
- I- N/A
- II- N/A

**International status:**

US: JWH-398 2-chloronaphthyl isomer and JWH-398 7-chloronaphthyl isomer are not listed specifically in the Schedules to 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: JWH-398 2-chloronaphthyl isomer and JWH-398 7-chloronaphthyl isomer are not currently listed in the Schedules to the CDSA. The substances are positional isomers of JWH-398, which was reviewed previously and not considered included under Item 1 of Schedule II to the CDSA “Cannabis, its preparations, derivatives and similar synthetic preparations, including:” Currently, the isomers of the substances included under item 1 of Schedule II are not
captured under the item heading and given that there are presently no reports in the scientific literature on the efficacy of JWH-398 2-chloronaphthyl isomer and JWH-398 7-chloronaphthyl isomer as cannabinoid receptor agonists, the substances cannot be included under item 1 of Schedule II to the CDSA.

**Recommendation:** JWH-398 2-chloronaphthyl isomer and JWH-398 7-chloronaphthyl isomer are not included under Item 1 of Schedule II to the CDSA and are not controlled substances.

**Date:** June 13th, 2012.