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

Substance:  I- JWH-251  
II- JWH-302

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 efficient cannabinoid receptor agonists and therefore 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: "third party information removed as per agreement with applicant"
Drug Status Report

Drug:  
I- JWH-251  
II- JWH-302  

Drug Name Status:  
I- JWH-251  
II- JWH-302 are the common names.  

Chemical Name:  
I- 1-pentyl-3-(2-methylphenylacetyl)indole  
II- 1-pentyl-3-(3-methoxyphenylacetyl)indole  

Other Names:  
I- 1-(1-pentyl-1H-indol-3-yl)-2-o-tolylethanone; JWH 251  
II- 2-(2-methylphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone; JWH 302  

Chemical structure:  

Molecular Formula:  
I- C_{22}H_{25}NO; II- C_{22}H_{25}NO_{2}  

Pharmacological class / Application:  
Synthetic cannabinoid  

CAS-RN:  

International status:  

US: JWH-251 and JWH-302 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-251 and JWH-302 are not currently listed in the Schedules to the CDSA.  
The substances have been reported in the scientific literature to be highly efficacious agonists for
CB1 as well as being partial agonists for the CB2 receptor, using GTP\(\gamma\)S assays.\(^1\) Cannabinoid receptor agonists have been declared included under item 1 of Schedule II to the CDSA while cannabinoid receptor antagonists have been declared excluded from item 1 of Schedule II. Considering that JWH-251 and JWH-302 are potent and efficient cannabinoid receptor agonists, they must be included under item 1 of Schedule II to the CDSA.

**Recommendation:** JWH-251 and JWH-302 are included under item 1 of Schedule II to the CDSA and are controlled substances.

**Date:** March 12th, 2012.