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

Substance:  
I - o-Tolunitrile  
II - m-Tolunitrile

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 not structurally similar to any of the substances listed in the Schedules to the CDSA.

Prepared by: ____________________________  Date: November 16th 2010
Evelyn C Soo

Verified by: ____________________________  Date: __________
Marianne Tang

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 - o-Tolunitrile  
II - m-Tolunitrile

**Drug Name Status:**  
I - o-Tolunitrile  
II - m-Tolunitrile are the common name.

**Chemical Name:**  
I - 1-Methyl-2-cyanobenzene  
II - 1-Methyl-3-cyanobenzene

**Other Names:**  
I - 2-Cyanotoluene; 2-methylbenzenecarbonitrile; 2-methylbenzonitrile; o-toluic nitrile; o-toluonitrile; o-tolynitrile.  
II - 3-Cyanotoluene; 3-methylbenzonitrile; 3-tolunitrile; m-toluonitrile; n-tolynitrile.

**Chemical structure:**

![Chemical structure diagram]

**Molecular Formula:** I, II - C₈H₇N

**Pharmacological class / Application:** Fine chemical

**CAS-RN:** I - 529-19-1; II - 620-22-4

**International status:**

US: The substances are not listed specifically in the CSA and is 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 nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: o-Tolunitrile and m-Tolunitrile are two position isomers of tolunitrile and are claimed to be starting materials in 2-methyl- and 3-methylmethcathinone respectively. The substances are not currently listed in the CDSA and are not structurally similar to any of the
substances included in the Schedules to the CDSA. The status of p-tolunitrile would also be the same as these two substances.

**Recommendation:** o-Tolunitrile and m-Tolunitrile are not included in the schedules to the CDSA and are not controlled substances.

**Date:** November 16th 2010