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

Substance: L-Norpseudoephedrine

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 substance cannot be included under item 19 of Schedule IV nor under Item 10 of Part I of Schedule VI to the CDSA.

Prepared by: ___________________________________________ Date: October 28th, 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:** L-Norpseudoephedrine

**Drug Name Status:** L-Norpseudoephedrine is the common name.

**Chemical Name:** d-ethreo-2-amino-1-hydroxy-1-phenylpropane

**Other Names:** L-catheine; l-ethreo-1-phenyl-1-hydroxy-2-aminopropaine; (alphaR)-alpha-((1R)-1-aminoethyl-benzenemethanol; (-)-norpseudoephedrine

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:** $C_9H_{13}NO$

**Pharmacological class / Application:** Isomer of cathine

**CAS-RN:** 37577-07-4

**International status:**

US: L-Norpseudoephedrine is not listed in the Controlled Substances Act and is not mentioned anywhere on the DEA website.

United Nations: The substance is 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: The substance is not listed in the schedules to the CDSA. L-norpseudoephedrine is an isomer of D-norpseudoephedrine, which is currently listed as sub-item 19(1) “Cathine (d-threo-2-amino-1-hydroxy-1-phenylpropane)” in Schedule IV to the CDSA under the heading “Catha edulis Forsk., its preparations, derivatives, alkaloids and salts including”. There are presently no reports in the scientific literature of the presence of L-norpseudoephedrine in Catha edulis Forsk\(^1\) or any reports that the substance is derived from cathine and the isomers of cathine are not included in the item heading. In addition, L-


norpseudoephedrine is reported to be synthesised from D-norephedrine, which is controlled under Item 10 of Part I of Schedule VI under the heading “Norephedrine (Phenylpropanolamine) and its salts”. As the heading of item 10 of Part I of Schedule VI does not include the derivatives of norephedrine, L-norpseudoephedrine cannot be included under the listing. Accordingly, L-norpseudoephedrine cannot be included under item 19 of Schedule IV nor under Item 10 of Part I of Schedule VI to teh CDSA and is not considered to be a controlled substance.

**Recommendation:** L-norpseudoephedrine is not included in the schedules to the CDSA and is not a controlled substance.

**Date:** October 28th, 2011