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

Substance: Ephedra nevadensis

Based on the current information available to the Office of Controlled Substances, it appears that the above substance is:

- Controlled ☐
- Not Controlled X

under the schedules of the Controlled Drugs and Substances Act (CDSA) for the following reason(s):

- The plant does not contain any ephedrine alkaloids and therefore cannot be included under Part 1 of Schedule VI to the CDSA.

Prepared by: _______________________________ Date: ________________
Evelyn Soo

Verified by: _______________________________ Date: ________________
Mark Kozlowski

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

This status was requested by: Ian Findlay, Inspectorate
Drug Status Report

Drug: Ephedra nevadensis

Drug Name Status: Ephedra nevadensis S. Watson is the proper name.

Other Names: Ephedra Nevada; Nevada jointfir

Chemical structure: N/A

Molecular Formula: N/A

Pharmacological class / Application: PLANT

CAS-RN: NONE

International status:

US: Ephedra nevadensis is not listed specifically in the Schedules to the US 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, 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: Ephedra nevadensis is not listed in the schedules to the CDSA. The substance is a plant in the Ephedraceae genera and is widely distributed in a number of states in the United States including Arizona, California, Nevada, Oregon and Utah. A recent inter-laboratory cross-validation study of a LC-MS/MS method for ephedrine alkaloids in dietary supplements and botanicals reported the use of Ephedra nevadensis as a negative control and the LC-MS/MS analysis also confirmed the absence of ephedrine alkaloids in Ephedra nevadensis. Given that Ephedra nevadensis do not contain any of the ephedrine alkaloids e.g, ephedrine, norephedrine, pseudoephedrine and norpseudoephedrine, the plant cannot be included under Part 1 of Schedule VI to the CDSA.

Recommendation: Ephedra nevadensis is not included in the schedules to the CDSA and is not a controlled substance.

Date: October 17th, 2012.