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

Substance: Tetramethylpyrazine

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 is not structurally similar to any of those listed in the schedules 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: Lorraine D’Souza, NRSS
Drug Status Report

Drug: Tetramethylpyrazine

Drug Name Status: Tetramethylpyrazine is the common name.

Chemical Name: 2,3,5,6-tetramethylpyrazine

Other Names: Tetramethyl-pyrazin; Pyrazine,tetramethyl-; TMP.

Chemical structure:

Molecular Formula: C₈H₁₂N₂  CAS-RN: 1124-11-4

Pharmacological class / Application: Fine chemical

International status:
US: Tetramethylpyrazine 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: Tetramethylpyrazine is not listed in the Schedules to the CDSA. The substance is extracted from a Chinese medicinal plant, Ligusticum walichil franchat, and has been shown to have anti-inflammatory effects on endothelial cells. Tetramethylpyrazine is used to treat cardiovascular problems due to its vasodilator properties¹ and is not structurally similar to any of the other substances listed in the CDSA.

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

Date: April 8th, 2013.