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

Substance: QS-4

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 substance is not structurally similar to those included in the Schedules to the CDSA.

Prepared by: ___________________________ Date: ____________
Benoit P Seguin

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: QS-4

Drug Name Status: QS-4 is the common name.

Chemical Name: 4-(4,5-Dimethoxy-2-methyl-3,6-dioxocyclohexa-1,4-dien-1-yl)butanoic acid

Chemical structure:

Molecular Formula: C_{13}H_{16}O_{2}

Pharmacological class / Application: Pharmaceutical-related substance

CAS-RN: 58186-01-9

International status:

US: QS-4 is not listed 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: QS-4 is not listed in the Schedules to the CDSA. The substance is a related impurity of imipramine, which is a drug used to treat depression and currently regulated under Schedule F to the Food and Drugs Regulations. The substance does not display any structural similarities to those listed in the Schedules to the CDSA.

Recommendation: QS-4 is not included in the schedules to the CDSA and is not a controlled substance.

Date: November 15\textsuperscript{th}, 2012.