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

Substance:  
I- Disodium gulanylate
II- Disodium Inosinate

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 substances are not structurally similar to any of those included 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: "third party information removed as per agreement with applicant".
Drug Status Report

**Drug:**
I- Disodium gulanylate  
II- Disodium Inosinate  

**Drug Name Status:**  
I- Disodium gulanylate  
II- Disodium Inosinate are the common names.  

**Chemical Name:**  
I- 5'-Guanylic acid, disodium salt  
II- 5'-Inosinic acid, disodium salt  

**Other Names:**  
I- 5'-Gmp disodium salt; 5-Guanylic acid disodium salt; Disodium guanosine 5'-monophosphate; Disodium 5'-gmp; Sodium GMP.  
II- 5'-Imp disodium salt; 5'-Inosinic acid, disodium salt; Disodium inosine 5'-monophosphate; Disodium inosine 5'-phosphate.  

**Chemical structure:**

![Chemical structure](image)

**Molecular Formula:**  
I- C\(_{10}\)H\(_{12}\)N\(_5\)O\(_8\)P\(_2\)Na;  
II- C\(_{10}\)H\(_{13}\)N\(_4\)O\(_8\)P\(_2\)Na  

**CAS-RN:**  
I- 5550-12-9;  
II- 4691-65-0  

**Pharmacological class / Application:**  
Fine Chemicals  

**International status:**

US: Disodium gulanylate and disodium Inosinate are not listed specifically in the Schedules to the US *Controlled Substances Act* and are 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, 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: Disodium gulanylate and disodium Inosinate are not listed in the schedules to the CDSA. The substances are reportedly used as flavour enhancers in food and are not structurally similar to any of those listed in the schedules to the CDSA.

**Recommendation:** Disodium gulanylate and disodium Inosinate are not included in the schedules to the CDSA and are not controlled substances.

**Date:** May 10th, 2012.