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

Substance:  Test Freak

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 product does not contain substances that are to those listed in the schedules to the CDSA.

Prepared by:  ________________________________  Date:  May 26, 2011  
Zack Li

Verified by:  ________________________________  Date:  ____________
Mark Kozlowski

Approved by:  ________________________________  Date:  ____________
DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

This status was requested by:  Saumea Thayalan, Inspectorate
Drug Status Report

Drug: Test Freak

Drug Name Status: Test Freak is the product name.

The product is a nutritional supplement for body building purposes\(^1\) and is claimed to contain the following ingredients:

Hesperetin
Resveratrol
Naringenin

Canadian status:

Hesperetin ((S)-2,3-dihydro-5,7-dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one) is a flavanone found in citrus fruits. The substance was recently reviewed and was not found to be controlled under the CDSA.

Resveratrol is a natural phenol found in red wine and is claimed to have rejuvenating and antioxidant effects\(^2\). The substance is not currently listed in the CDSA and is not similar to any of the substances included in the Schedules to the CDSA.

Drug/Substance: Resveratrol
Chemical Name: 3,5,4'-trihydroxystilbene
Molecular Formula: C\(_{14}\)H\(_{12}\)O\(_3\)
CAS-RN: 501-36-0

Naringenin is a flavanone naturally found in grapefruit and has been reported in the scientific literature to be a powerful antioxidant and to lower plasma and hepatic cholesterol concentrations

\(^1\)http://www.bodybuilding.com/store/pharmafreak/test-freak.html

The substance is not currently listed in the CDSA and is not similar to any of the substances included in the Schedules to the CDSA.

**Drug/Substance:** Naringenin is a common name

**Chemical Name:** 5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one

**Molecular Formula:** C_{15}H_{12}O_{5}

**CAS-RN:** 480-41-1

Recommendation: Test Freak does not contain any substances that are similar to those included in the Schedules to the CDSA and therefore is not a controlled substance.

May 26, 2011

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