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

Substance:  *Peganum harmala*

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):

- *Peganum harmala* is considered to be controlled under Schedule III on the basis that it contains harmaline and harmalol which are items 9 and 10 in Schedule III to the CDSA.

Prepared by:  __________________________ Date:  June 2, 2011
  
  Zack Li

Verified by:  __________________________ Date:  __________
  
  Mark Kozlowski

Approved by:  __________________________ Date:  __________
  
  DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES

**This status was requested by:**  Johanne Paquette, OCS
Drug Status Report

Drug: *Peganum harmala*

Drug Name Status: *Peganum harmala* is the botanical name.

Other Names: Harmal flower

Pharmacological class / Application: Plant

International status:

US: *Peganum harmala* is not currently listed in the schedules to the US Controlled Substances Act. The active alkaloids of the plant, specifically harmine, harmaline and harmalol are also not listed on the schedules to the US Controlled Substances Act.

United Nations: *Peganum harmala* and its alkaloids harmine, harmaline and harmalol are not currently listed on the Yellow List - List of Narcotic Drugs under International Control nor the Green List - List of Psychotropic Substances under International Control.

Canadian Status: *Peganum harmala* is a plant that originates from the eastern Mediterranean region and has been reported in the scientific literature to contain harmaline and harmalol¹. Harmaline and harmalol are currently listed as items 9 and 10, respectively, in Schedule III to the CDSA and according to paragraph 2(2)(a) of the CDSA, “a reference to a controlled substance includes a reference to any substance that contains a controlled substance”. Therefore, as a plant that contains harmaline and harmalol, *Peganum harmala* must be included under items 9 and 10 of Schedule III to the CDSA.

![Chemical structures of Harmine, Harmaline and Harmalol](image)

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Recommendation: *Peganum harmala* contains harmaline and harmalol and is included in Schedule III to the CDSA and considered a controlled substance.

**Date:** June 2, 2011