



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

Substance: Hydroxypropyl beta cyclodextrin

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):

- Hydroxypropyl beta cyclodextrin is not similar to any substance listed on the schedules to the CDSA.

Supporting document attached: Drug Status Report by Mr. LeBelle

Prepared by: _____ Date: Sept. 26, 2006
Xiao Peng Feng

Drug Status Report by: Mr. M. LeBelle Date: Sept. 25, 2006

Approved by: _____ Date: _____
DIRECTOR, OFFICE OF
CONTROLLED SUBSTANCES

Drug Status Report

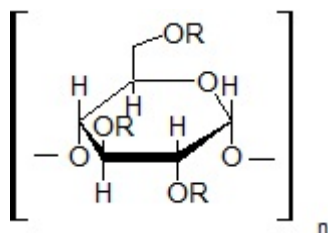
Drug: Cyclodextrins

Drug Name Status: Cyclodextrins is a name for a family of chemicals

Chemical Name: Depending on the cyclodextrin a chemical name may exist. In the case of hydroxypropyl beta cyclodextrin, the substance is not adequately defined to have an exact chemical name.

Chemical

structure:



Cyclodextrins consist of 6, 7 or 8 D-glucopyranosyl units ($n = 6,7,8$) connected by 1,4 glycosidic linkages as shown. The cyclodextrins have a structure where $R=H$ in the diagram above. The cyclodextrins have been chemically modified to change the characteristics of the molecule. In the case of hydroxypropyl beta cyclodextrin some of the hydrogen atoms attached to the glycopyranoside ($R=H$) are substituted by hydroxypropyl groups ($R=CH_2CHOHCH_3$). The degree of substitution may vary.

Molecular Formula: not available

Pharmacological/chemical class / Application: analytical reagent; pharmaceuticals; foods

International status:

US: The cyclodextrins are not listed on the US Controlled Substances Act and are not mentioned on the DEA website.

United Nations: The substances are not 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: Hydroxypropyl beta cyclodextrin is not similar to any substance listed on the schedules to the CDSA.

Recommendation: Hydroxypropyl beta cyclodextrin is not included in the schedules to the CDSA and is not a controlled substance.

September 25, 2006