



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

Substance: I - Deca 200 (Nandeconate™)
II - D-Anabol 25 (Methandesenolone™)

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 listed as ingredients in the two above products are not similar to any of those included in the Schedules to the CDSA.

Prepared by: Evelyn Soo Date: Jan 19th 2011

Verified by: Marianne Tang Date:

Approved by: DIRECTOR, OFFICE OF CONTROLLED SUBSTANCES Date:

This status was requested by: Inspectorate

Drug Status Report

Drug: I - Deca 200 (Nandecionate™)
II - D-Anabol 25 (Methandesenolone™)

Drug Name Status: I - Deca 200 (Nandecionate™)
II - D-Anabol 25 (Methandesenolone™) are product names.

International status:

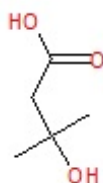
US: Deca 200 (Nandecionate™) and D-Anabol 25 (Methandesenolone™) are not currently listed in the Schedules to the US *Controlled Substances Act* and are not mentioned anywhere on the DEA website.

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: Deca 200 (Nandecionate™) and D-Anabol 25 (Methandesenolone™) are not currently listed in the CDSA. The products are nutritional supplements marketed by Dynamic Sports Nutrition for body building purposes and are claimed to contain the following ingredients:

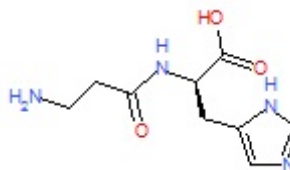
Deca 200 (Nandecionate™) - Beta-hydroxy-methylbutyrate; Eurycoma longifolia and Carnosine.
D-Anabol 25 (Methandesenolone™) - 2-amino-5-guanidinovaleric acid and *Rhaponticum carthamoides*.

It is noteworthy that nandecionate and methandesenolone are not proper chemical names and the identities of these substances cannot be determined. However, with regard to the listed ingredients, the status of Eurycoma Longifolia and *Rhaponticum carthamoides* have already been reviewed previously and are not considered controlled substances under the CDSA.

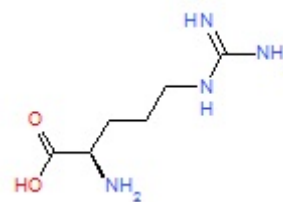


Common Name: Beta-hydroxy-methylbutyrate
Chemical Name: 3-hydroxy-3-methylbutyric acid
Other Names: Beta-hydroxyisovaleric acid
CAS-RN: 625-08-1
Molecular Formula: C₅H₁₀O₃

Common Name: Carnosine
Chemical Name: N-beta-alanyl-L-histidine
CAS-RN: 305-84-0
Molecular Formula: C₉H₁₄N₄O₃



Common Name: 2-amino-5-guanidinovaleric acid
Chemical Name: 2-amino-5-(diaminomethylidene)pentanoic acid
Other Names: DL-arginin
CAS-RN: 74-79-3
Molecular Formula: $C_5H_{14}N_4O_2$



Beta-hydroxy-methylbutyrate, more commonly known as 3-hydroxyisovaleric acid, is a naturally-occurring human metabolite found in urine and a biomarker for biotin status¹. Carnosine is a dipeptide found in animal tissues and has been shown to display antioxidant activity², while 2-amino-5-guanidinovaleric acid is a naturally-occurring amino acid more commonly known as DL-arginine. Beta-hydroxy-methylbutyrate, carnosine and 2-amino-5-guanidinovaleric acid are not currently listed in the Schedules to the CDSA and do not display any structural similarity to those included in the Schedules to the CDSA.

Recommendation: Beta-hydroxy-methylbutyrate, carnosine and 2-amino-5-guanidinovaleric acid are not included in the schedules to the CDSA and are not a controlled substances.

Date: 19 January 2011

¹Mock NI et al. (1997) Increased urinary excretion of 3-hydroxyisovaleric acid and decreased urinary excretion of biotin are sensitive early indicators of decreased biotin status in experimental biotin deficiency, *Am. J. Clin. Nutr.*, **65**:951-958.

²Boldyrev, AA. and Severin, SE. (1990) The histine-containing dipeptides, carnosine and anserine: distribution, properties and biological significance, *Adv. Enz. Reg.*, **30**:175-194.