

# Microvit™ B<sub>5</sub> Promix D-Calpan

Quality Standard



## 1. Description

Microvit™ B<sub>5</sub> Promix D-Calpan is d-calcium pantothenate powder (calcium salt of dextrorotary pantothenic acid). The presentation of Microvit™ B<sub>5</sub> Promix D-Calpan has been studied to facilitate its use in premix plants during storage, handling and dosing operations.

## 2. Specifications

<b>Potency</b>	D-Calcium pantothenate content (on dried basis): minimum 98%
<b>Composition</b>	D-Calcium pantothenate
<b>Cas N°</b>	[137-08-6]
<b>Chemical formula</b>	C <sub>18</sub> H <sub>32</sub> O <sub>10</sub> N <sub>2</sub> Ca
<b>Appearance</b>	microgranulated, free-flowing powder
<b>Color</b>	white
<b>Weight loss on drying</b>	(incubator 100-105°C): maximum 3%
<b>Specific optical rotation at 20°C</b>	+25° to 28°
<b>Methanol content</b>	max. 0.30%
<small>* These below data, which results from careful tests on representative samples, are provided for information purposes only and do not in any way constitute a guarantee.</small>	
<b>Particle size profile*</b>	
<b>Particle size*</b>	below 500 µm: approx. 97%
<b>Density*</b>	non tapped: 0.50 to 0.70 g/cm <sup>3</sup> tapped: 0.60 to 0.80 g/cm <sup>3</sup>
<b>Solubility*</b>	in water: soluble (4g/10ml)
<b>pH*</b>	(5% solution): 6.8 to 9.5
<b>Calcium content*</b>	8.2 to 8.6%

## 3. Method of Analysis

**Reference** Internal method: B155-@02

**Description** Determination of D-calcium pantothenate content by potentiometry.

## 4. Duration of Guarantee

36 months from date of manufacture in original unopened packaging stored in a cool, dry place away from light.

## 5. Packaging

25 kg boxes (500 kg/pallet).

## 6. Safety Measures

**Reference** Material Safety Data Sheet (MSDS) Microvit™ B<sub>5</sub> Promix D-Calpan.

Updated 01/01/2006



Microvit™



Rhodimet™



Rovabio™



Smartamine™  
MetaSmart™

For more information, visit our website [www.adisseo.com](http://www.adisseo.com)

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