



## D-Calcium Pantothenate

**INCI Name:** Calcium Pantothenate

Molecular formula:  $C_{18}H_{32}CaN_2O_{10}$

Molecular weight: 476.53

CAS-No.: 137-08-06

Application: nutrition supplements

Packaging: in bags

Filling Quantity: 1 kg  
other package sizes on request

Shelf life: up to 2 years, not opened

Storage conditions: dry and cool,  
avoid direct sunlight and heat

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## Product Specification

# D-Calcium Pantothenate

Test	Specification	Batch 20200302
<b>Appearance</b>	white or off-white powder	conform
<b>Identification</b>	positive response	conform
<b>Calcium Pantothenate (HPLC)</b>	98 – 101	100.15
<b>Calcium content (%)</b>	8.2 – 8.6	8.38
<b>Specific optical rotation</b>	+25 - +28.5	+26.59
<b>Loss on drying</b>	< 5.0 %	1.88 %
<b>Heavy metals</b>	< 20 ppm	conform
<b>Carbinol</b>	< 0.3 ppm	conform

D-Calcium Pantothenate is the Calcium salt of Pantothenic acid or Vitamin B5, Available as white powder. D-Calcium Pantothenate is obtained from isobutyral and other materials by methylation, addition, hydrolysis, acidification, lactone and acylation.

### Application

D-Calcium Pantothenate is widely used as nutrition supplements as it is an essential nutrient your body uses to create energy and break down carbohydrates and fats. In Clinical, it is used to treat vitamin B deficiency, peripheral neuritis, postoperative intestinal colic. D-Calcium Pantothenate also participates in the metabolism of protein, fat and sugar in the body.