

SATCOTEK GmbH

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Registergericht Hamburg HRB 54503



SATCOTEK
PASSIONATE ABOUT RAW MATERIALS

TECHNICAL DATA SHEET

Trade Name:	Vitamin B5		
INCI:	D-Calcium Pantothenate		
Cas. No:	137-08-6		
EINECS:	205-278-9	Article No:	PH1001

ITEM	STANDARD
Appearance	White or white like powder solid
pH(5% aqueous solution)	6.8-8.0
Specific optical rotation(on the dried basis) $[\alpha]_{D}^{20}$	+25.0°~+27.5° (on the dried basis)
Loss on Drying	≤3.0%
Content of calcium (as dried basis)	8.2%~8.6%
Nitrogen determination (as dried basis)	5.7%~6.0%
Heavy metals	≤0.002%
Content of $C_{15}H_{12}C_3N_2O_{10}$	98.0%~101.0% (on the dried basis)
Methanol	≤0.3%
Solubility	Soluble in water, Glycerin, slightly soluble in acetone, methanol and alcohol, practically insoluble in ether and chloroform

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Product Description:

D-Calcium Pantothenate is the calcium salt of the water-soluble vitamin B5 (pantothenic acid). It is commonly used as a **dietary supplement** and a **nutrient additive** in food, beverages, feed and pharmaceutical products.

This compound is more stable than pantothenic acid alone and is preferred for use in formulations due to its better shelf life and ease of handling.

Application:

It is commonly used as a **dietary supplement** and a **nutrient additive** in food, beverages, feed and pharmaceutical products.

Storage:

Keep away from overheat. It will hydrolyzed in aqueous solution: such hydrolysis can be accelerated by heat, alkali and acid.

Shelf life:

With the original tight container away from sun and damp, can be 36 months.

The recommended dosage in feed grade: