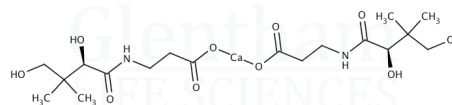


Product Specification

Product Name	D-Pantothenic acid calcium salt, USP grade
Glenthams Code	GE9583
CAS Number	137-08-6
EINECS	205-278-9
MDL Number	MFCD00002766
Additional CAS	331748-07-3 (xH ₂ O)
Additional CAS	63409-48-3 (DL-)



Molecular Weight	476.54
Molecular Formula	C ₁₈ H ₃₂ CaN ₂ O ₁₀
Storage Temp.	+20°C

Property	Specification
Physical Description	White powder
Identification	To pass tests A (IR); B (Calcium)
Calcium (Ca)	8.2 - 8.6 %
Nitrogen (N)	5.7 - 6.0 %
Heavy Metals	≤ 20ppm
Organic Impurities	≤ 1.0%
Specific Optical Rotation	+25.0 - +27.5 ° (c=5, water)
Alkalinity	To pass test
Loss on Drying	≤ 5.0% (105°C, 3h)
Assay	98.0 - 102.0 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	- v1.0
Date Created	- 2017-07-04

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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