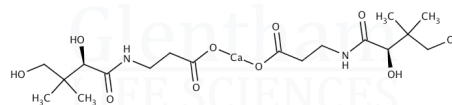


Certificate of Analysis

Product Name	D-Pantothenic acid calcium salt, USP grade
Glentham Code	GE9583
CAS Number	137-08-6
EINECS	205-278-9
MDL-Nummer	MFCD00002766
Zusätzliche CAS	331748-07-3 (xH ₂ O)
Zusätzliche CAS	63409-48-3 (DL-)
Batch Number	079HZB



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

Property	Specification	Batch 079HZB
Physical Description	White powder	White powder
Identification	To pass tests A (IR); B (Calcium)	Entspricht
Calcium (Ca)	8.2 - 8.6 %	8.3%
Nitrogen (N)	5.7 - 6.0 %	Entspricht
Heavy Metals	≤ 20ppm	Entspricht
Organic Impurities	≤ 1.0%	0.39%
Specific Optical Rotation	+25.0 - +27.5 ° (c=5, water)	+26.8°
Alkalinity	To pass test	Entspricht
Loss on Drying	≤ 5.0% (105°C, 3h)	1.8%
Assay	98.0 - 102.0 % (dried basis)	99.3%
Pharmacopoeia Specification(s)	USP	Entspricht

Specification Version	v1.0
Manufacture Date	2020-12-30
Re-Test Date	2030-06-18

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

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