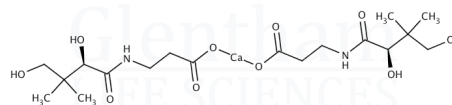


Certificate of Analysis

Product Name Calcium pantothenate, Ph. Eur. grade
Glentham Code GE9302
CAS Number 137-08-6
EINECS 205-278-9
MDL-Nummer MFCD00002766
Zusätzliche CAS 331748-07-3 (xH₂O)
Zusätzliche CAS 63409-48-3 (DL-)
Batch Number 7410FX



Molecular Weight 476.54
Molecular Formula C₁₈H₃₂CaN₂O₁₀
Storage Temp. +20°C

Property	Specification	Batch 7410FX
Physical Description	White or almost white powder	Entspricht
Specific Optical Rotation	+25.5 - +27.5 ° (c=5, water)	+27.3°
Identification (TLC)	To pass test	Entspricht
Identification	To pass tests C, D	Entspricht
Solubility (5% in water)	Clear, colourless solution	Entspricht
pH (5% in water)	6.8 - 8.0	7.2
3-Aminopropionic acid	≤ 0.5%	Entspricht
Chlorides	≤ 200ppm	Entspricht
Loss on Drying	≤ 3.0% (105°C)	2.31%
Assay (Titration)	98.0 - 101.0 % (dried substance)	99.5%
Pharmacopoeia Specification(s)	Ph. Eur.	Conforms to Ph. Eur.

Specification Version v1.0
Manufacture Date 2018-04-11
Re-Test Date 2026-11-15

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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