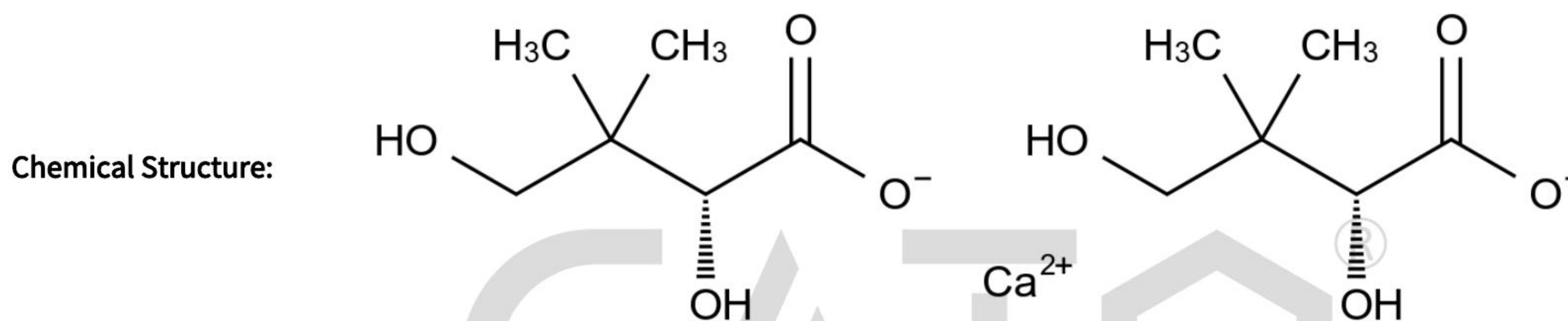


Certificate of Analysis

Reference Material & Standard

Product Name:	Dexpanthenol Impurity 29	Catalogue Number:	C4X-161329
Synonyms:	N/A	Lot Number:	0112-RH-0040
CAS Number:	1112-33-0(Free acid)	Expiry Date:	Jun 12, 2029
Molecular Formula:	2*C ₆ H ₁₁ O ₄ Ca	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*147.15 40.08	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HRMS&HNMR	Confirmed
Purity	ELSD	95.0598%
Loss on Drying	TGA	1.591%
Assay		93.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jan 14, 2026

Date: Jan 14, 2026

Date: Jan 14, 2026



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