

Certificate of Analysis

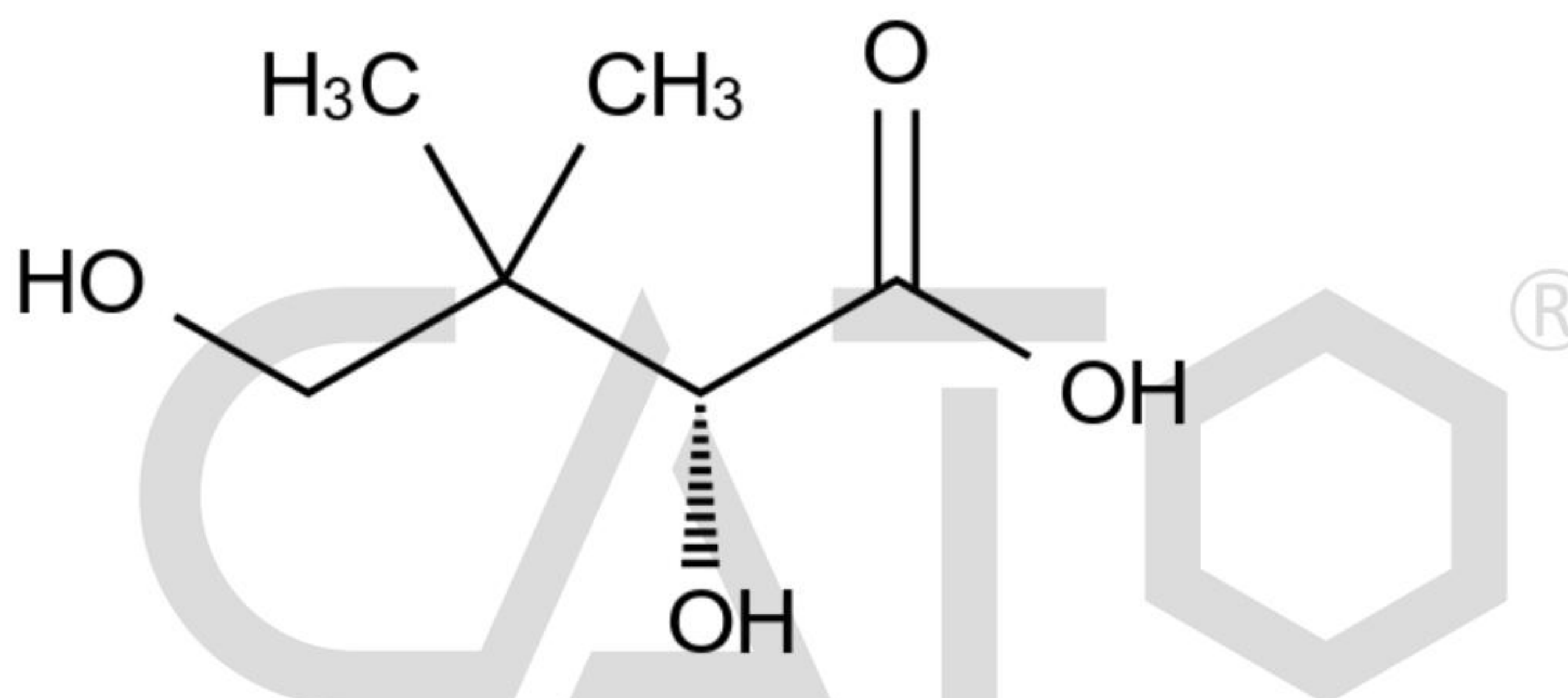
Reference Material & Standard

Product Name:	Calcium Pantothenate EP Impurity B	Catalogue Number:	C4X-25602
Synonyms:	Dexpanthenol EP Impurity B; Pantoic acid	Lot Number:	0422-RH-0053
CAS Number:	1112-33-0	Expiry Date:	May 11, 2030
Molecular Formula:	C ₆ H ₁₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	148.16	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	91.556%
Water Content	Karl Fischer	0.4246%
Assay		91.2%

Comment:

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

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 12, 2026

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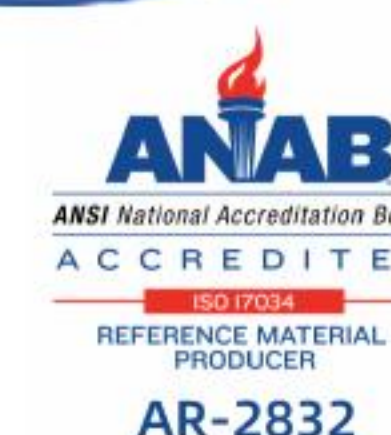
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