

Certificate of Analysis

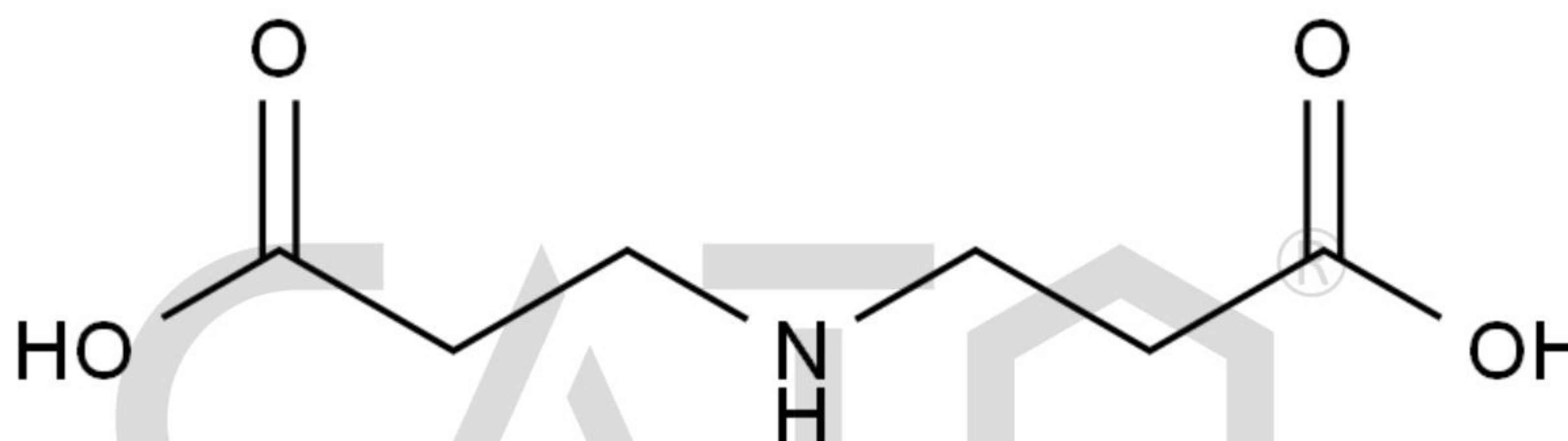
Reference Material & Standard

Product Name:	Calcium Pantothenate EP Impurity F	Catalogue Number:	C4X-161313
Synonyms:	3,3'-Iminodipropionic Acid	Lot Number:	1110-RE-0021
CAS Number:	505-47-5	Expiry Date:	Nov 14, 2026
Molecular Formula:	C ₆ H ₁₁ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	161.16	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	98.7%
Assay	qNMR	98.3%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 20, 2023

Date: Nov 20, 2023

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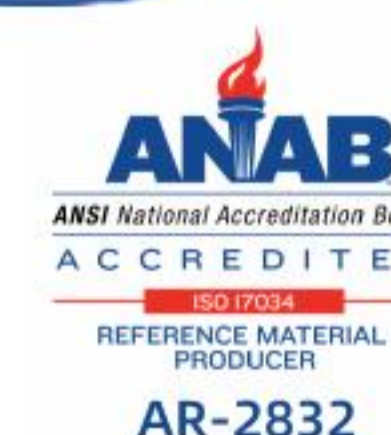
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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