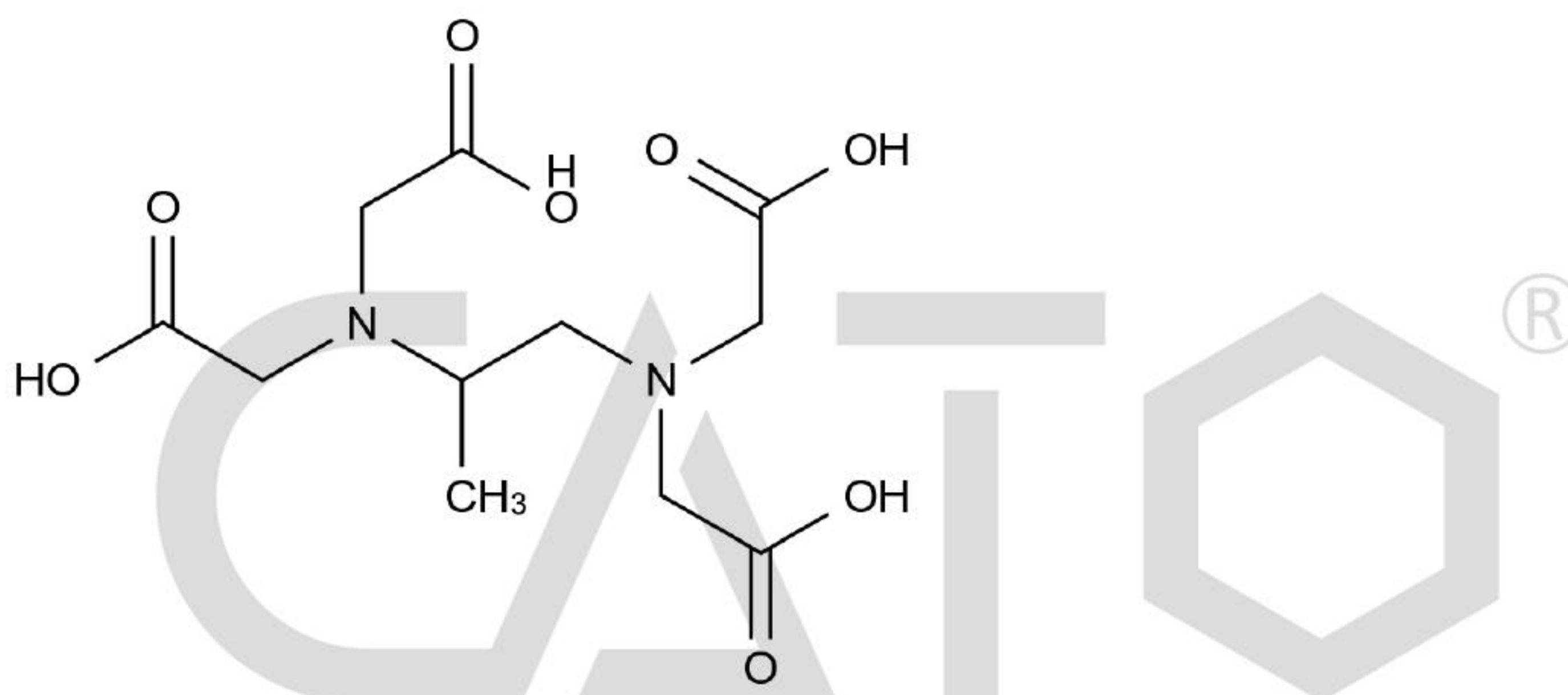


Certificate of Analysis

Reference Material & Standard

Product Name:	1,2-Diaminopropane-N,N,N',N'-Tetraacetic Acid	Catalogue Number:	CCEM500030
Synonyms:	N/A	Lot Number:	0715-RF-0016
CAS Number:	4408-81-5	Expiry Date:	Aug 12, 2028
Molecular Formula:	C ₁₁ H ₁₈ N ₂ O ₈	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	306.27	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Assay	qNMR	99.8%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 13, 2024

Date: Aug 13, 2024

Date: Aug 13, 2024

