

Certificate of Analysis

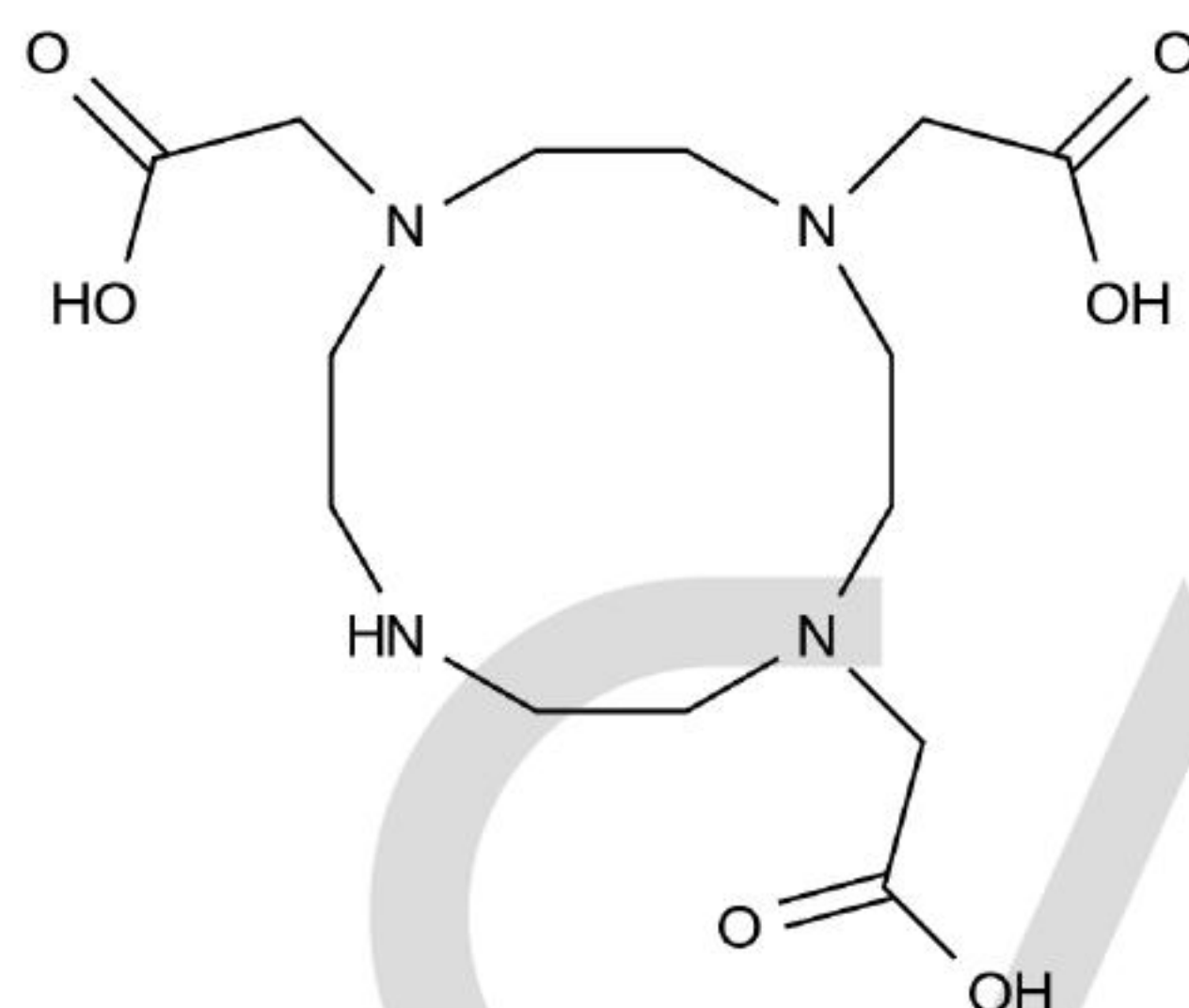
Reference Material & Standard

Product Name:	2,2',2''-(1,4,7,10-Tetraazacyclododecane-1,4,7-triyl)triacetic acid	Catalogue Number:	C1074134
Synonyms:	N/A	Lot Number:	0423-RH-0013
CAS Number:	114873-37-9	Expiry Date:	Apr 27, 2030
Molecular Formula:	C ₁₄ H ₂₆ N ₄ O ₆	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	346.38	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	97.743%
Loss on Drying	TGA	0.1385%
Assay		97.6%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 28, 2026

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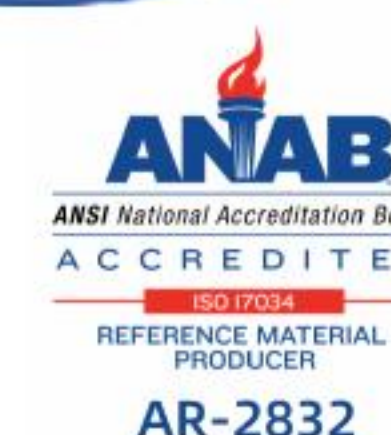
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