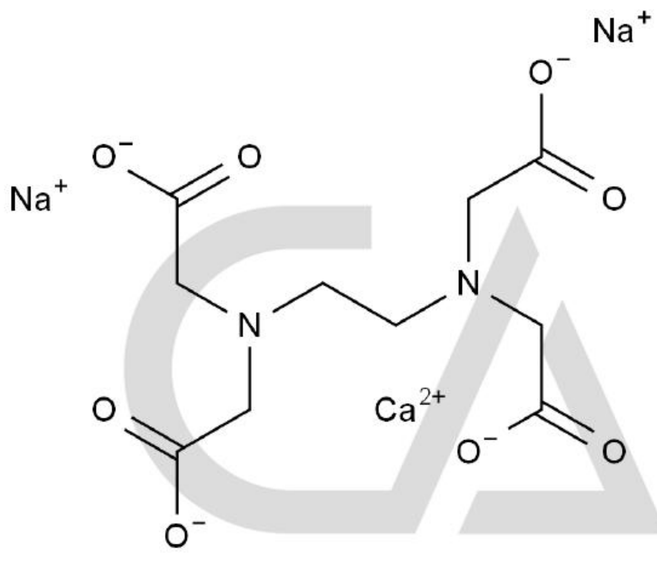
Certificate of Analysis

Reference Material & Standard

Product Name:	Ethylenediaminetetraacetic Acid Calcium Disodium Salt Hydrate	**Catalogue Number:**	CCEM500786
Synonyms:	N/A	**Lot Number:**	0916-RH-0024
CAS Number:	62-33-9	**Expiry Date:**	Sep 15, 2030
Molecular Formula:	$C_{10}H_{12}N_2O_8$ Ca 2*Na	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	288.21 40.08 2*22.99	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	97.137%
Loss on Drying	TGA	6.7413%
Assay		90.6%
Uncertainty		±0.9%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.
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: Lisa Date: Sep 16, 2026

Reviewed by: Hinlam Date: Sep 16, 2026

Approved by General Manager: David Date: Sep 16, 2026

CATO Research Chemicals Inc.