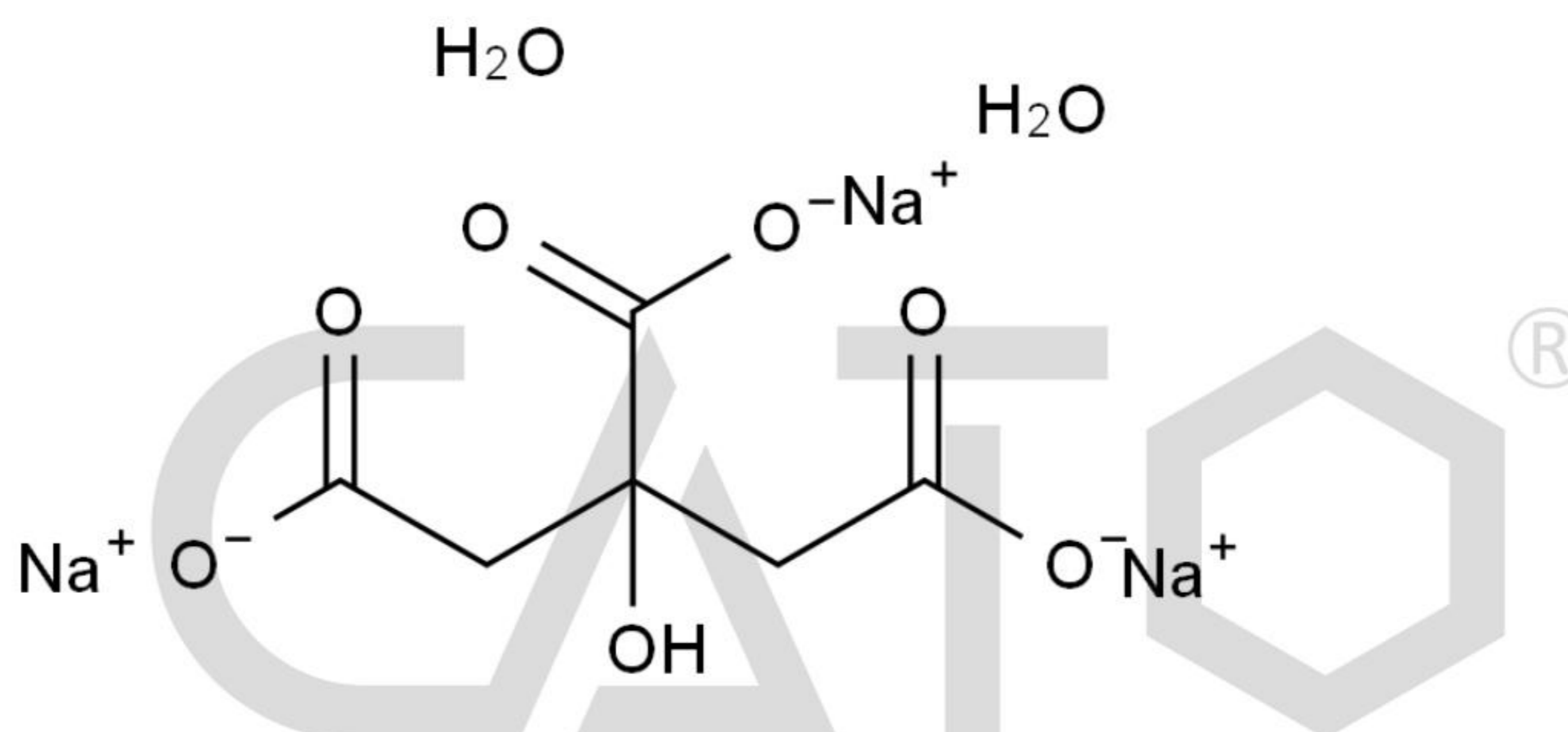


Certificate of Analysis

Reference Material & Standard

Product Name:	Trisodium Citrate Dihydrate	Catalogue Number:	CCHM700310
Synonyms:	N/A	Lot Number:	0508-RH-0026
CAS Number:	6132-04-3	Expiry Date:	May 06, 2030
Molecular Formula:	$C_6H_5O_7 \cdot 3Na \cdot 2H_2O$	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	189.10 $3 \cdot 22.99 \cdot 2 \cdot 18.02$	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss on Drying	TGA	12.4591%
Loss on Drying(Free Water)		0.2052%
Assay		99.8%
Uncertainty		±0.2%

Comment:

- The content of crystal water is 12.2539%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
 $Assay (\%) = (100\% - Loss\ on\ Drying(Free\ Water)) \cdot Purity\ ELSD (\%) / 100\%$
 Loss on Drying(Free Water) is considered as absolute effect, ELSD purity is considered as relative effect.
- 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:

Alice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: May 07, 2026

Date: May 08, 2026

Date: May 08, 2026

