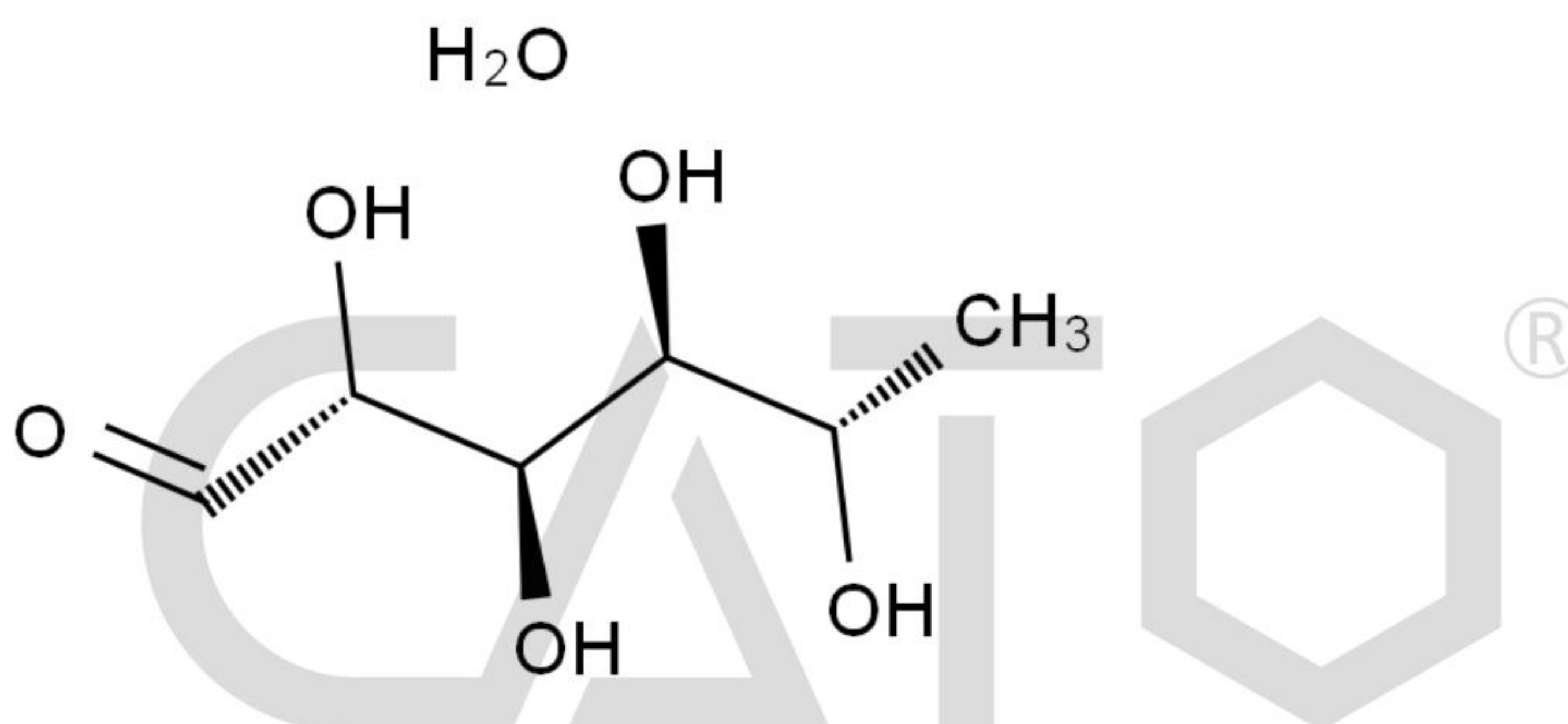


Certificate of Analysis

Reference Material & Standard

Product Name:	L(+)-Rhamnose Hydrate	Catalogue Number:	CCFD200164
Synonyms:	N/A	Lot Number:	0928-RH-0120
CAS Number:	10030-85-0	Expiry Date:	Sep 27, 2030
Molecular Formula:	C ₆ H ₁₂ O ₅ · H ₂ O	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	164.16 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	100.0%
Assay	qNMR	99.6%
Uncertainty		±0.4%

Comment:

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

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Sep 28, 2026

Date: Sep 29, 2026

Date: Sep 29, 2026



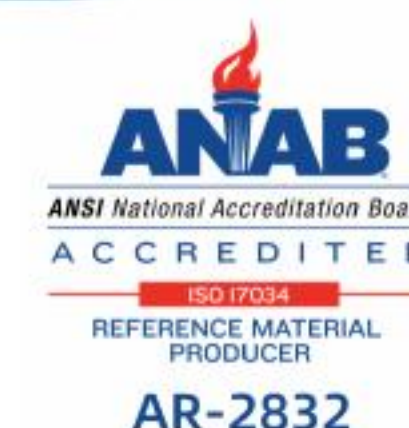
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