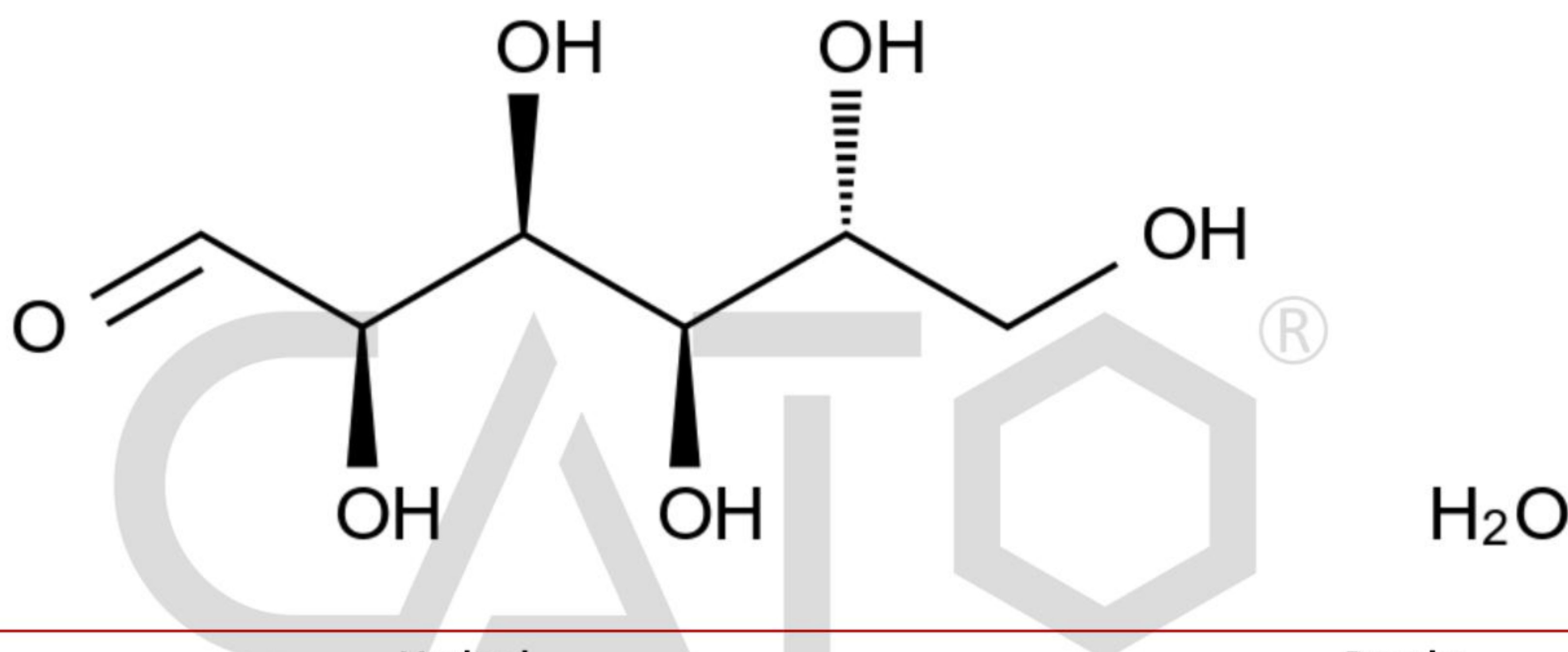


Certificate of Analysis

Reference Material & Standard

Product Name:	Glucose monohydrate CRS	Catalogue Number:	C1825172
Synonyms:	N/A	Lot Number:	0704-RF-0043
CAS Number:	77938-63-7	Expiry Date:	Jul 07, 2028
Molecular Formula:	C ₆ H ₁₂ O ₆ · H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	180.16 18.02	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss On Drying	TGA	9.2741%
Loss On Drying(Free Water)		0.1811%
Assay		99.8%

Comment:

- The content of crystal water is 9.0930%.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying(Free Water)}) * \text{Purity ELSD (\%)} / 100\%$$
 Loss On Drying(Free Water) 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: Jul 08, 2024

Date: Jul 08, 2024

Date: Jul 08, 2024

