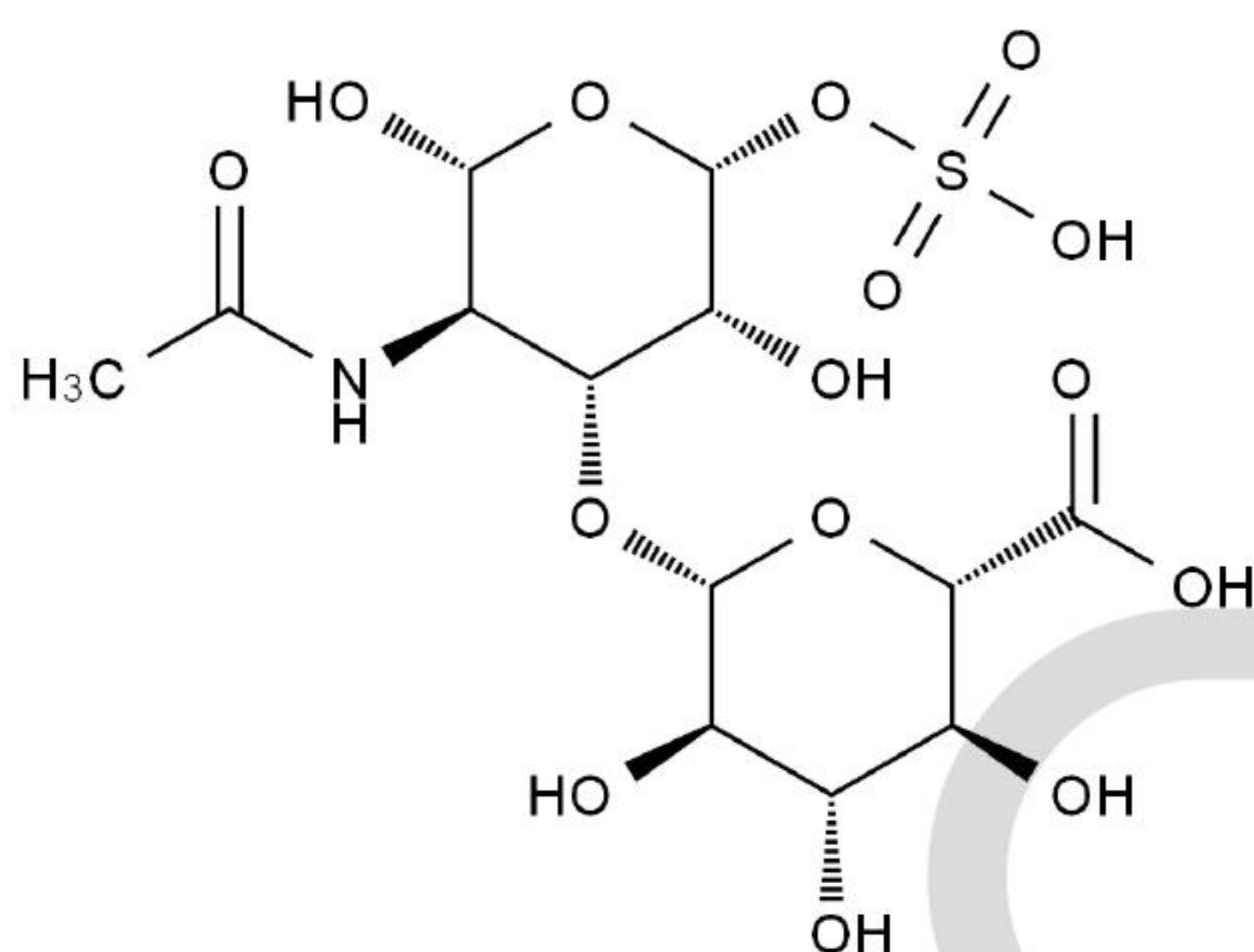


Certificate of Analysis

Reference Material & Standard

Product Name:	Chondroitin Sulfate	Catalogue Number:	CCAD301193
Synonyms:	N/A	Lot Number:	0904-RE-0125
CAS Number:	9007-28-7	Expiry Date:	Sep 03, 2027
Molecular Formula:	C ₁₃ H ₂₁ NO ₁₅ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	463.37		

Chemical Structure:



Warning:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	IR	Confirmed
Purity	ELSD	98.232%
Loss On Drying	TGA	10.8502%
Assay		87.6%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity ELSD (\%)} / 100\%$

Loss On Drying is considered as absolute effect, ELSD 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:

Lily

Reviewed by:

Hinlam

Aproved by General Manager:

David

Date: Sep 04, 2023

Date: Sep 04, 2023

Date: Sep 04, 2023

