

Certificate of Analysis

ISO 9001

Reference Material

Product name

2,3-O-(1-Methylethylidene)-β-D-fructopyranose 1-Sulfamate

Product code
MM1348.02
1029638

CAS number
106881-41-8
Molecular weight
299.30
Molecular formula
Long-term storage

 $C_9H_{17}NO_8S$ -18 °C, dark

HOME O

Assay "as is" **99.9** %

Date of shipment: 13 Sep 2019

Producer confirms that this reference material (RM) meets the specification detailed on this Certificate of Analysis for **one year** from the date of shipment, provided the substance is stored under the recommended conditions unopened in the original container.

Release by:

Date of Release:

Dr. Sabine Schröder

Luckenwalde, 03 Sep 2019

Product Release



Product information

For laboratory use only. Not suitable for human or animal consumption.

Before usage of the RM, it should be allowed to warm to room temperature. No drying required, as the certified value is already corrected for the content of water and other volatile materials.

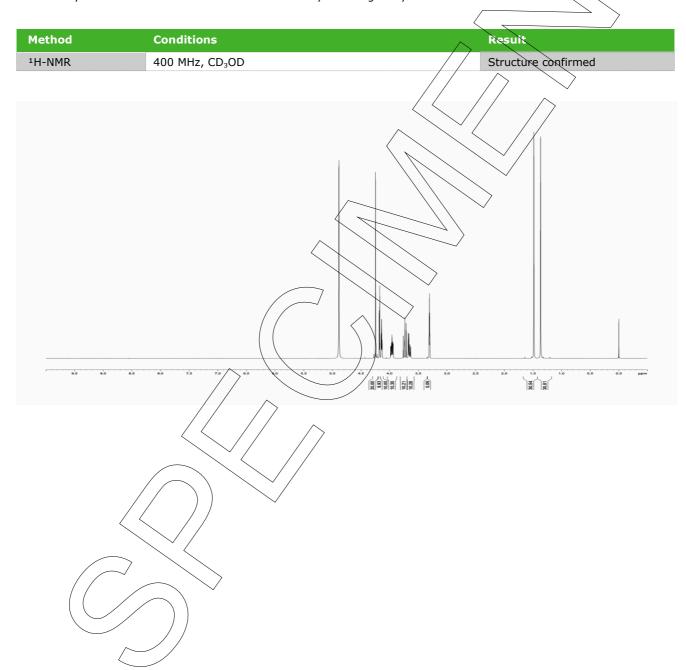
The product quality is controlled by regularly performed quality control tests (retests).

Further content Identity Assay Final result Revision table

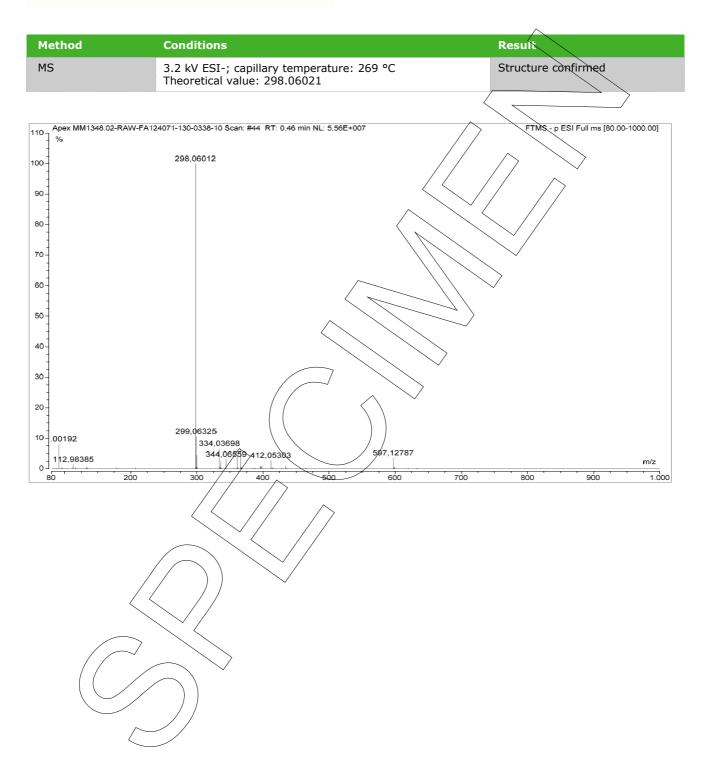


Identity

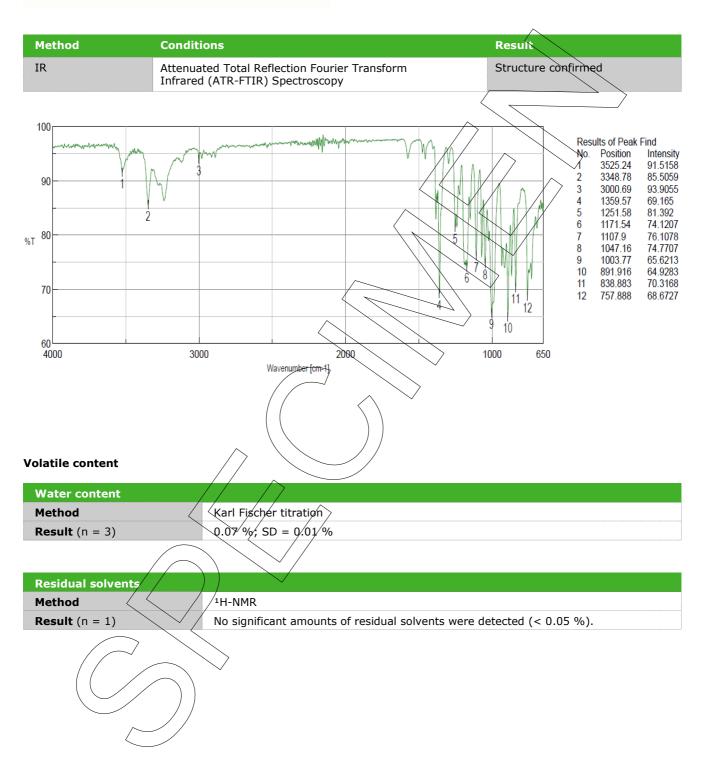
The identity of the reference material was established by following analyses.













Final result

Assay "as is": 99.92 %

The assay "as is" is assessed by quantitative NMR spectroscopy and is equivalent to the assay based on the not anhydrous and not dried substance respectively.

Method: Value assigning technique - quantitative NMR spectroscopy	
Conditions	400 MHz, CD ₃ QD
Internal standard	Duroquinone (certified reference material), signal 1.7 - 2.3 ppm, 12 H
Result (mass fraction, n = 3)	99.92 %; \$D=0.02 %



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MM1348.02 Lot number 1029638



Revision table

Revision	Date	Reason for revision
00	03 Sep 2019	Release of the Certificate of Analysis - initial version

Product warranties for the RM are set out in the terms and conditions of purchase.