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PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Sucrose Meets Analytical Specification of USP

Product No.:	PSR45028
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	57-50-1
Molecular Formula:	$C_{12}H_{22}O_{11}$
Molecular Weight:	342.30 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	White Solid	White Solid
Assay (By Titration)	> 99.0 %	99.53 %
Specific rotation [a]20/D	66.3 - 67.0 °	65.9 °
Conductivity 20°C	NMT 35 µS/cm	14.23 µS/cm
Calcium (Ca)	Complies	Complies
Lead (Pb)	NMT 0.5 ppm	< 0.5 ppm
Chloride (Cl)	NMT 0.0035 %	< 0.0035 %
Sulphate (SO_4)	NMT 0.006 %	< 0.006 %
Sulphite (as SO_2)	NMT 10 ppm	< 10 ppm
Dextrines	Complies	Complies
Invert sugar	Complies	Complies
Reducing sugars	Complies	Complies
Endotoxin limit (LAL)	NMT 250 EU/g	< 250 EU/g
Identification by IR	Conforms to Structure	Conforms to Structure

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com