

Certificate of Analysis

Product Name: Sucrose
puriss., meets analytical specification of Ph. Eur., BP, NF

Product Number: 16104

Batch Number: STBK5999

CAS Number: 57-50-1

Formula: C₁₂H₂₂O₁₁

Formula Weight: 342.30

Quality Release Date: 18 JAN 2022

Recommended Retest Date: JAN 2025

TEST	SPECIFICATION	RESULT
SPECIFIC ROTATION	66.3 - 67.0 DEGREES	66.6 DEGREES
CONCENTRATION	C=26; IN H ₂ O AT 20 DEG C	C=26; IN H ₂ O AT 20 DEG C
LOSS ON DRYING	≤ 0.1 %	≤ 0.1 %
SULFATED ASH	≤ 0.05 %	< 0.05 %
APPEARANCE OF SOLUTION	COMPLYING	COMPLYING
RESIDUAL SOLVENTS	COMPLYING	COMPLYING
HEAVY METALS	≤ 5 PPM (AS PB)	< 5 PPM
PROOF OF IDENTITY	COMPLYING	COMPLYING
Miscellaneous Assay	DEXTRINES: COMPLYING	COMPLYING
	INVERT SUGAR: COMPLYING	COMPLYING
	REDUCING SUGARS: COMPLYING	COMPLYING
	COLOUR INDEX: ≤ 45	14
	ENDOTOXIN LIMIT (LAL): ≤ 250 EU/G	< 250 EU/G
CALCIUM	COMPLYING	COMPLYING
LEAD	≤ 0.5 PPM	< 0.5 PPM
CHLORIDE (CL)	≤ 0.0035 %	< 0.0035 %
SULFATE (SO ₄)	≤ 0.006 %	< 0.006 %
SULFITE (SO ₃)	≤ 10 PPM (AS SO ₂)	≤ 10 PPM
CONDUCTIVITY (20 C)	≤ 35	6
REMARKS	IDENTITY, ASSAY AND IMPURITIES ARE COMPLYING TO THE MONOGRAPHS OF THE ABOVE MENTIONED PHARMACOPEIAS/CODICES.	

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Claudia Mayer
Manager Quality Control

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