

Certificate of Analysis

Product Name: 4-NITROPHENYL β -D-GLUCURONIDE
>= 99.0 % TLC

Product Number: 73677

Batch Number: BCBS3603V

Brand: Sigma

CAS Number: 10344-94-2

Formula: C₁₂H₁₃NO₉

Formula Weight: 315.23

Storage Temperature: -20 C

Quality Release Date: 24 JUN 2016

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO FAINT YELLOW	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (TLC AREA %)	≥ 99.0 %	100.0 %
SPECIFIC ROTATION (20/D)	-102.0 ± 3.0 DEGREES	-102.2 DEGREES
CONCENTRATION	C=1 IN ETHANOL	C=1 IN ETOH
SOLUBILITY (COLOR)	COLORLESS TO FAINT YELLOW	FAINT YELLOW
SOLUBILITY (TURBIDITY)	CLEAR	CLEAR
SOLUBILITY (METHOD)	0.1G/ML WATER	0.1G/ML WATER
WATER	≤ 7.0 %	5.2 %
MISCELLANEOUS TESTS	FREE P-NITROPHENOL ≤0.05 %	FREE P-NITROPHENOL <0.05 %
SUITABILITY ASSAY	SUITABLE AS SUBSTRATE FOR BETA- -GLUCURONIDASE	SUITABLE AS SUBSTRATE FOR BETA- -GLUCURONIDASE



Dr. Claudia Geitner
Manager Quality Control
Buchs, Switzerland

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.