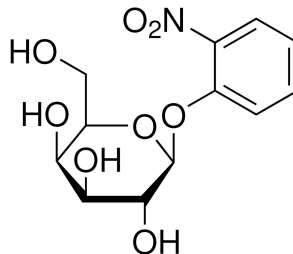


Certificate of Analysis

Product Name : 2-Nitrophenyl β -D-galactopyranoside $\geq 98\%$ (enzymatic)
Product Number : N1127-VAR
Batch Number : 0000412016
Source Batch : BCBX4604
CAS Number : 369-07-3
MDL Number : MFCD00063255
Storage Temperature : -20°C
Molecular Formula : C₁₂H₁₅NO₈
Formula Weight : 301.25 g/mol
Date Retested : 11 Sep 2024
Recommended Retest Date : Aug 2028
Quality Release Date : 02 Jul 2018



Test	Specification	Result
Appearance (Color)	White to Off White	Off White
Appearance (Form)	Powder	Powder
Purity (HPLC)	$\geq 99.0\%$	99.9 %
Enzym. Assay (Result)	$\geq 98\%$	101 %
Specific Rotation (20/D) C=1 in H ₂ O	-73.0 - -67.0 °	-70.5 °
Solubility (Color)	Colorless to Light Yellow	Almost Colorless
Solubility (Turbidity) 15mg/ml in Water	Clear	Clear
Carbon Content	46.9 - 48.8 %	47.7 %
Nitrogen Content	4.5 - 4.8 %	4.6 %
Infrared Spectrum	Conforms to Structure	Conforms

Dr. Reinhold Schwenninger

Quality Assurance

Buchs, Switzerland

CH

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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