



Certificate of Analysis

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ThermoFisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2008 standard by SAI Global Certificate Number CERT - 0090918

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. ThermoFisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Certain products (USP/FCC/NF/EP/BP/JP grades) are sold for use in food, drug, or medical device manufacturing. ThermoFisher does not maintain DMF's with the FDA. The following are the actual analytical results obtained:

Catalog Number	J19594	Quality Test / Release Date	06/06/2018
Lot Number	182799		
Description	4-NITROPHENYL-BETA-D-GLUCOPYRANOSIDE		
Country of Origin	China	Suggested Retest Date	Jun/2020
Chemical Origin			
BSE/TSE Comment			
Chemical Comment			

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White to off-white crystalline powder
FREE P-NITROPHENOL	%	<= 0.01	0.01
IDENTIFICATION, I.R.	Matches Reference	= MATCHES REFERENCE	MATCHES REFERENCE
UV Ab 425 nm, 8 mg/ml in 0.15 AMP buffer, pH 10.25		<= 0.07	0.02
SPECIFIC ROTATION @ 20 DEG	DEGREES (+ OR -)	Inclusive Between -101 - -111	-111
MOISTURE	%	<= 10	1.6

Jerisa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above. If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.