



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-281430A
Lot Number: SAMPLE
Product Name: 4-Nitrophenyl- β -D- xylopyranoside
CAS Number: 2001-96-9
Molecular Formula: $C_{11}H_{13}NO_7$
Molecular Weight: 271.22

Test	Result
Appearance	White crystalline powder
Identification (1H -NMR)	Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure
Purity (HPLC)	99.1%
Purity (TLC)	Single spot
Melting Point	158 - 160 °C
Residue on Ignition	0.1%
Solubility	Soluble in DMF and insoluble in ether
Optical Rotation ($\alpha_{20/D}$)	-56.5°
Heavy Metals	< 20 ppm
Impurity	\leq 1.0%
Water Content (KF)	0.2%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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