

## Certificate of Analysis

Date of Testing: 2023-05-15 16:41:13  
Date of Next Testing: 2025-05-14 16:41:13  
Product Name: **p-Nitrophenyl  $\beta$ -D-Mannopyranoside**  
CAS Number: 35599-02-1  
Specifications & Purity:  $\geq 97\%$   
Lot #: E23081251  
SKU #: **P134941**  
**Analysis: 178757**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	4.5-4.7 (%)	4.54 %
Carbon by Elemental Analysis	46.4-48.5 (%)	46.46 %
Purity(HPLC)	97-100 (%)	99.90800 %
Appearance (P134941)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless To Faint Yellow,Clear,10 mg/ml	pass	Pass



John Su  
QA & QC Manager