

Certificate of Analysis

Date of Testing: 2022-11-17 11:40:24

Date of Next Testing: 2026-11-16 11:40:24

Product Name: **4-Nitrobenzenesulfonic Acid Hydrate**

CAS Number: 138-42-1

Specifications & Purity: 98%

Lot #: K2212697

SKU #: **N102177**

Analysis: **157248**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	14-19 (%)	15.50 %
Purity(Neutralization titration)	97.5-102.5 (%)	100.60 %
Melting point	111-115 (°C)	112.20000 °C
Purity(HPLC)	98-100 (%)	100.00000 %
Appearance (N102177)	Light yellow to brown powder or crystals or solid	Light yellow to brown powder or crystals or solid
Solubility in H2O , very faint turbidity	pass	Pass
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager