

Certificate of Analysis

Date of Testing: 2025-07-09 15:55:55

Date of Next Testing: 2029-07-08 15:55:55

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

CAS Number: 138-42-1

Specifications & Purity: $\geq 98\%$

Lot #: G2507134

SKU #: **N102177**

Version: **2**

Analysis #: **488815**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water by Karl Fischer	14-19 (%)	15.10 %
Melting point	111-115 (°C)	112.70000 °C
Purity(HPLC)	98-100 (%)	100.00000 %
Purity(Neutralization titration) (calcd.on anh.substance)	97.5-102.5 (%)	100.10 %
Appearance (N102177)	White to Light yellow to brown powder or crystals or solid	White to light yellow to brown powder or crystals or solid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager