



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-478103
Lot Number: SAMPLE
Product Name: 5-Nitro-o-toluenesulfonic Acid
CAS Number: 121-03-9
Molecular Formula: $C_7H_7NO_5S$
Molecular Weight: 217.20

Test	Specification	Result
Appearance		Very dark brown solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		96%
Atmosphere		Inert gas
Melting Point		125 - 131 °C
Solubility		Methanol (slightly), Water (slightly)
Carbon Content	38.71%	31.57%
Hydrogen Content	3.25%	4.21%
Nitrogen Content	6.45%	5.12%
Water Content (KF)		14.1%

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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