



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-252881
Lot Number: SAMPLE
Product Name: Hexaethylene glycol monododecyl ether
CAS Number: 3055-96-7
Molecular Formula: $C_{24}H_{50}O_7$
Molecular Weight: 450.65

Test	Specification	Result
Appearance (Color)	Colorless or white	White
Appearance (Form)	Powder or solid or crystals or crystalline chunk(s) or chunk(s)	Solid
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	100.0%
Solution (Color)	Colorless to almost colorless at 0.25 g in 5 ml ethanol	Colorless at 0.25 g in 5 ml ethanol
Solution (Turbidity)	Clear to almost clear (< 5.5 NTU) at 0.25 g in 5 ml ethanol	Clear at 0.25 g in 5 ml ethanol
Trace metal analysis	Consistent with requirements	Complies
Cadmium	≤ 50 mg/kg (ICP)	< 50 mg/kg
Calcium	≤ 50 mg/kg (ICP)	< 50 mg/kg
Chromium	≤ 50 mg/kg (ICP)	< 50 mg/kg
Cobalt	≤ 50 mg/kg (ICP)	< 50 mg/kg
Copper	≤ 50 mg/kg (ICP)	< 50 mg/kg
Iron	≤ 50 mg/kg (ICP)	< 50 mg/kg
Lead	≤ 50 mg/kg (ICP)	< 50 mg/kg
Magnesium	≤ 50 mg/kg (ICP)	< 50 mg/kg
Manganese	≤ 50 mg/kg (ICP)	< 50 mg/kg
Nickel	≤ 50 mg/kg (ICP)	< 50 mg/kg
Potassium (ICP)	≤ 50 mg/kg	< 50 mg/kg

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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Sodium (ICP)	≤ 50 mg/kg	< 50 mg/kg
Zinc	≤ 50 mg/kg (ICP)	< 50 mg/kg

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