



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-280771  
Lot Number: SAMPLE  
Product Name: Hexaethylene glycol monodecyl ether  
CAS Number: 5168-89-8  
Molecular Formula:  $C_{22}H_{46}O_7$   
Molecular Weight: 422.60

Test	Specification	Result
Appearance	Colorless, clear to clear viscous liquid	Colorless, clear viscous liquid
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 99.0\%$	99.6%
Trace metal analysis	Consistent with requirements	Complies
Refractive Index (n <sub>20</sub> /D)	1.454 - 1.456	1.455
Cadmium	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Calcium (ICP)	$\leq 50$ mg/kg	< 50 mg/kg
Chromium	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Cobalt	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Copper	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Iron (ICP)	$\leq 50$ mg/kg	< 50 mg/kg
Lead (ICP)	$\leq 50$ mg/kg	< 50 mg/kg
Magnesium	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Manganese	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Nickel	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)
Potassium (ICP)	$\leq 50$ mg/kg	< 50 mg/kg
Sodium (ICP)	$\leq 50$ mg/kg	< 50 mg/kg
Zinc	$\leq 50$ mg/kg (ICP)	< 50 mg/kg (ICP)

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.