



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-397231
Lot Number: SAMPLE
Product Name: o-Xylene
CAS Number: 95-47-6
Molecular Formula: C_8H_{10}
Molecular Weight: 106.17

Test	Specification	Result
Appearance	Colorless liquid	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 99.0\%$	99.4%
Residue after evaporation	$\leq 0.002\%$	0.0003%
Trace metal analysis	Consistent with requirements (ICP)	Complies
Refractive Index (n _{20/D})	1.504 - 1.506	1.506
Related Substances	Toluene: $\leq 0.4\%$ M-andP-xylene: $\leq 0.6\%$	0.001% toluene, 0.247% P-xylene, 0.023% M-xylene, 0.001% ethylbenzene
Aluminum	≤ 0.5 mg/kg	< 0.5 mg/kg
Barium	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Bismuth	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Cadmium	≤ 0.05 mg/kg (ICP)	< 0.05 mg/kg
Calcium	≤ 0.5 mg/kg (ICP)	< 0.5 mg/kg
Chromium	≤ 0.02 mg/kg (ICP)	< 0.02 mg/kg
Cobalt	≤ 0.02 mg/kg (ICP)	< 0.02 mg/kg
Copper	≤ 0.02 mg/kg (ICP)	< 0.02 mg/kg
Iron	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Lead (ICP)	≤ 0.1 mg/kg	< 0.1 mg/kg
Lithium	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Magnesium	≤ 0.1 mg/kg (ICP)	< 0.1 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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Manganese	≤ 0.02 mg/kg (ICP)	< 0.02 mg/kg
Molybdenum	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Nickel	≤ 0.02 mg/kg (ICP)	< 0.02 mg/kg
Potassium	≤ 0.5 mg/kg (ICP)	< 0.5 mg/kg
Sodium (ICP)	≤ 0.5 mg/kg	< 0.5 mg/kg
Strontium	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Zinc	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg

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