



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-239517
Lot Number: SAMPLE
Product Name: Chlorobenzene
CAS Number: 108-90-7
Molecular Formula: C_6H_5Cl
Molecular Weight: 112.56

Test	Specification	Result
Appearance	Colorless, clear liquid	Complies
Purity (GC)	$\geq 99\%$	99.99%
Residue after evaporation	$\leq 0.003\%$	$< 0.0001\%$
Trace metal analysis	Corresponds to requirements (ICP)	Complies
Color (APHA)	≤ 25	10
Infrared Spectrum	Conforms to structure	Complies
Refractive Index (n _{20/D})	1.524 - 1.526	1.525
Aluminum	≤ 0.5 mg/kg (ICP)	< 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 (ICP)	≤ 0.5 mg/kg	< 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 (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
Manganese	≤ 0.02 mg/kg (ICP)	< 0.02 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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Molybdenum	≤ 0.1 mg/kg (ICP)	< 0.1 mg/kg
Potassium (ICP)	≤ 0.5 mg/kg (ICP)	< 0.5 mg/kg
Sodium (ICP)	≤ 0.5 mg/kg	< 0.5 mg/kg
Water Content	$\leq 0.03\%$ (coulometr.)	0.003%

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