



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-238390
Lot Number: SAMPLE
Product Name: 2,5-Hexanedione
CAS Number: 110-13-4
Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.14

Test	Specification	Result
Appearance	Colorless, clear liquid	Complies
Identification (1H -NMR)	Consistent with structure	Complies
Purity (GC)	$\geq 99.0\%$	99.5%
Trace metal analysis	Corresponds to requirements	Complies
Refractive Index (n ₂₀ /D)	1.424 - 1.426	1.425
Cadmium	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Calcium (ICP)	≤ 5 mg/kg	< 5 mg/kg
Chromium	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Cobalt	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Copper	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Iron (ICP)	≤ 1 mg/kg	< 1 mg/kg
Lead (ICP)	≤ 1 mg/kg	< 1 mg/kg
Magnesium	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Manganese	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Nickel	≤ 1 mg/kg (by ICP)	< 1 mg/kg
Potassium (ICP)	≤ 20 mg/kg	< 20 mg/kg
Sodium (ICP)	≤ 20 mg/kg	< 20 mg/kg
Water Content	$\leq 0.1\%$	0.001%
Zinc	≤ 1 mg/kg (by ICP)	< 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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