



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-301582
Lot Number: SAMPLE
Product Name: Potassium acetate solution, 5M
CAS Number: 127-08-2
Molecular Formula: $C_2H_3KO_2$
Molecular Weight: 98.14

Test	Specification	Result
Appearance	Colorless liquid	Complies
pH	7.0 - 9.0	7.6
Residue	No Residue (Filter Test)	Complies
Solution	Clear colorless solution (Neat)	Complies
Specific Gravity	1.205 - 1.225 (20 °C/ 4 °C)	1.218
Trace metal analysis	Consistent with requirements	Complies
A260	≤ 0.04	0.016
A280	≤ 0.02	0.012
Titration	4.90 - 5.10 mol/l (Non aqueous titration)	5.04 mol/l
Aluminum	≤ 1 mg/kg (ICP)	< 1 mg/kg
Arsenic	Arsenic Traces (MHS-AAS): ≤ 0.1 mg/kg	< 0.1 mg/kg
Barium	≤ 1 mg/kg (ICP)	< 1 mg/kg
Bismuth	≤ 1 mg/kg (ICP)	< 1 mg/kg
Cadmium	≤ 1 mg/kg (ICP)	< 1 mg/kg
Calcium (ICP)	≤ 20 mg/kg	< 20 mg/kg
Chloride	≤ 50 mg/kg	< 50 mg/kg
Chromium	≤ 1 mg/kg (ICP)	< 1 mg/kg
Cobalt	≤ 1 mg/kg (ICP)	< 1 mg/kg
Copper	≤ 1 mg/kg (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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Iron (ICP)	≤ 1 mg/kg	< 1 mg/kg
Lead (ICP)	≤ 1 mg/kg	< 1 mg/kg
Lithium	≤ 1 mg/kg (ICP)	< 1 mg/kg
Magnesium	≤ 5 mg/kg (ICP)	< 5 mg/kg
Manganese	≤ 1 mg/kg (ICP)	< 1 mg/kg
Molybdenum	≤ 1 mg/kg (ICP)	< 1 mg/kg
Nickel	≤ 1 mg/kg (ICP)	< 1 mg/kg
Sodium (ICP)	≤ 1000 mg/kg	< 1000 mg/kg
Strontium	≤ 1 mg/kg (ICP)	< 1 mg/kg
Sulfate	≤ 5 mg/kg	< 5 mg/kg
Zinc	≤ 1 mg/kg (ICP)	< 1 mg/kg
DNase	Not Detectable	Complies
Phosphatase	Not Detectable	Complies
Protease	Not Detectable	Complies
RNase	Not Detectable	Complies

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