



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-251031
Lot Number: SAMPLE
Product Name: Sodium malonate dibasic monohydrate
CAS Number: 26522-85-0
Molecular Formula: $\text{CH}_2(\text{CO}_2\text{Na})_2 \cdot \text{H}_2\text{O}$
Molecular Weight: 166.04

Test	Specification	Result
Appearance	Colorless or white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Solubility	Colorless clear solution at 4.981g in 30 m in water (1M)	Complies
Trace metal analysis	Consistent with requirements(by ICP)	Complies
Insoluble Matter	$\leq 0.1\%$	$< 0.1\%$
Aluminum	$\leq 0.0005\%$ (by ICP)	$< 0.0005\%$
Ammonium	$\leq 0.05\%$ (NH_4^+)	$< 0.01\%$
Calcium (ICP)	$\leq 0.01\%$	$< 0.01\%$
Chloride	$\leq 0.05\%$ (Cl)	$< 0.05\%$
Copper	$\leq 0.0005\%$ (by ICP)	$< 0.0005\%$
Iron (ICP)	$\leq 0.001\%$	$< 0.001\%$
Lead (ICP)	$\leq 0.001\%$	$< 0.001\%$
Magnesium	$\leq 0.005\%$ (by ICP)	$< 0.005\%$
Phosphorus (ICP)	$\leq 0.01\%$ (as PO_4)	$< 0.01\%$
Potassium (ICP)	$\leq 0.005\%$	$< 0.005\%$
Sulfur	$\leq 0.05\%$ (as SO_4 , by ICP)	$< 0.05\%$
Zinc	$\leq 0.0005\%$ (by ICP)	$< 0.0005\%$

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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