



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215278
Lot Number: SAMPLE
Product Name: Magnesium carbonate
CAS Number: 546-93-0
Molecular Formula: $\text{CO}_3 \cdot \text{Mg}$
Molecular Weight: 84.31

Test	Specification	Result
Appearance	White powder	Complies
Identification (^1H -NMR)		Consistent with structure
Purity	MgO: 40.0 - 43.5%	41.9%
Melting Point	> 360 °C	Complies
Heavy Metals	≤ 20 ppm	Complies
Insoluble Matter	Acid: $\leq 0.05\%$	0.03%
Soluble Matter	Salt: $\leq 1.0\%$	0.53%
Arsenic	≤ 3 ppm	Complies
Calcium	$\leq 0.45\%$	0.32%
Iron	$\leq 0.02\%$	0.02%

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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