



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215279  
Lot Number: SAMPLE  
Product Name: Magnesium citrate tribasic nonahydrate  
CAS Number: 153531-96-5  
Molecular Formula:  $C_{12}H_{10}Mg_3O_{14} \cdot 9H_2O$   
Molecular Weight: 613.25

Test	Specification	Result
Appearance		White to almost white powder
Odor		Practically odorless
Identification		Complies
Particle Size	> 177 $\mu m$ : $\leq 3\%$ < 150 $\mu m$ : $\geq 90\%$	3% 92%
pH	5.0 - 9.0	6.7
Solution	Clear and colorless	Complies
Heavy Metals (Pb)	$\leq 50$ mg/kg	Complies
Loss on Drying	$\leq 29\%$ (135 $^{\circ}C$ , 16 h)	24.3%
Arsenic	$\leq 3$ mg/kg	Complies
Calcium	$\leq 1.0\%$	Complies
Chloride	$\leq 0.05\%$	Complies
Iron	$\leq 200$ mg/kg	Complies
Lead	$\leq 0.1$ mg/kg	< 0.1 mg/kg
Magnesium	11.3 - 12.5% 14.5 - 16.4% (on dried basis)	11.4% 15.1%
Sulfate	$\leq 0.2\%$	Complies

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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