



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-357367
Lot Number: SAMPLE
Product Name: Manganese citrate
CAS Number: 10024-66-5
Molecular Formula: $\text{Mn}_3(\text{C}_6\text{H}_5\text{O}_7)_2$
Molecular Weight: 543.01

Test	Specification	Result
Appearance	Off-white to light pink powder	Complies
Assay	96.5-104.8% (anhydrous basis)	99.7%
Particle Size	100% pass 30 mesh >90% pass 70 mesh	Complies 98.4%
Loss on Drying	23.0-26.0%	24.2%
Arsenic	≤ 3 ppm	Complies
Cadmium	≤ 5 ppm	Complies
Lead	≤ 2 ppm	Complies
Manganese	29.3-31.8% (anhydrous basis) 22.0-23.9% (decahydrate basis)	30.4% 22.8%
Sulfate	$\leq 0.02\%$	0.011%

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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