



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-250292  
Lot Number: SAMPLE  
Product Name: Manganese  
CAS Number: 7439-96-5  
Molecular Formula: Mn  
Molecular Weight: 54.94

Test	Specification	Result
Appearance	Brown to very dark brown and gray to dark gray and black powder	Dark gray powder
Identification (ICP)	Confirms Manganese component	Complies
Purity (Trace Metal Analysis)	$\geq 99.9\%$	Complies
Trace metal analysis	$\leq 1000.0$ ppm	619.2 ppm
Aluminum		4.0 ppm
Arsenic		28.5 ppm
Beryllium		0.1 ppm
Bismuth		119.8 ppm
Boron		17.5 ppm
Calcium		30.4 ppm
Chromium		24.5 ppm
Cobalt		2.7 ppm
Copper		2.2 ppm
Iron		79.8 ppm
Lead		15.7 ppm
Lithium		1.4 ppm
Magnesium		170.6 ppm
Molybdenum		1.0 ppm
Potassium		7.9 ppm

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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Sodium	40.8 ppm
Strontium	0.7 ppm
Vanadium	68.2 ppm
Zinc	3.4 ppm

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