



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-237116  
Lot Number: SAMPLE  
Product Name: Titanium(III) oxide  
CAS Number: 1344-54-3  
Molecular Formula:  $Ti_2O_3$   
Molecular Weight: 143.73

Test	Specification	Result
Appearance	Violet to black powder	Black powder
Identification (X-Ray Diffraction)	Complies with structure	Complies
Purity (Trace Metal Analysis)		99.9 %
Particle Size	$\leq 150.00$ micron	7.81 micron
Trace metal analysis	$\leq 2000.0$ ppm	405.1 ppm
Aluminum		156.9 ppm
Arsenic		11.2 ppm
Barium		3.3 ppm
Calcium		38.8 ppm
Copper		15.3 ppm
Iron		39.9 ppm
Lead		7.4 ppm
Magnesium		19.2 ppm
Manganese		0.7 ppm
Potassium		85.3 ppm
Sodium		3.8 ppm
Tin		7.7 ppm
Vanadium		10.3 ppm
Zinc		5.4 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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