



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-203365  
Lot Number: SAMPLE  
Product Name: Potassium sulfate  
CAS Number: 7778-80-5  
Molecular Formula:  $K_2SO_4$   
Molecular Weight: 174.26

Test	Specification	Result
Appearance	White solid	Complies
Assay	$\geq 99\%$	99.81%
pH	5.5 - 8.5 (5% solution at 25°C)	7.9
Solubility	Complete, clear, colorless (1g in 10 mL H <sub>2</sub> O)	Complies
Heavy Metals	$\leq 5$ ppm	4 ppm
Insoluble Matter	$\leq 0.01\%$	0.001%
Calcium	$\leq 0.01\%$	0.005%
Chloride	$\leq 0.001\%$	< 0.001%
Iron	$\leq 5$ ppm	4 ppm
Magnesium	$\leq 0.005\%$	0.001%
Nitrogen Compounds	$\leq 5$ ppm	< 5 ppm
Sodium	$\leq 0.02\%$	0.015%

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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