



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-203209A  
Lot Number: SAMPLE  
Product Name: Potassium nitrate  
CAS Number: 7757-79-1  
Molecular Formula:  $\text{KNO}_3$   
Molecular Weight: 101.10

Test	Specification	Result
Appearance	Colorless white crystalline powder	Complies
Assay	$\geq 99.0\%$	99.35%
pH	4.5 - 8.5 at 25°C (5% solution)	6.21
Solubility	Clear, colorless (10% H <sub>2</sub> O solution)	Complies
Heavy Metals (Pb)	$\leq 5$ ppm	< 3 ppm
Insoluble Matter	$\leq 0.005\%$	0.003%
Calcium	$\leq 0.005\%$	0.004%
Chloride	$\leq 0.002\%$	0.001%
Iodate	$\leq 5$ ppm	< 3 ppm
Iron	$\leq 3$ ppm	< 2 ppm
Magnesium	$\leq 0.002\%$	0.001%
Nitrite	$\leq 0.001\%$	0.0008%
Phosphate	$\leq 5$ ppm	< 3 ppm
Sodium	$\leq 0.005\%$	< 0.0025%
Sulfate	$\leq 0.003\%$	0.002%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)