



CERTIFICATE OF ANALYSIS

Product Name: Potassium Nitrate

Catalog Number: P012

Lot Number: 02152015

Molecular Formula: KNO_3

CAS Number: 7757-79-1

Formula Weight: 101.10

Source: Synthetic

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White crystalline solid	PASS
Identity Test	Passes Test	PASS
Assay	$\geq 99.0 \%$	99.8 %
pH (5%,H ₂ O):	4.5-8.5	6.6
Insoluble Matter:	$\leq 0.005 \%$	0.002 %
Chloride(Cl):	$\leq 0.002 \%$	< 0.002 %
Iodate (IO ₃):	$\leq 5 \text{ ppm (0.0005 \%)}$	< 0.0005 %
Nitrite (NO ₂):	$\leq 0.001 \%$	< 0.0005 %
Phosphate (PO ₄):	$\leq 5 \text{ ppm (0.0005 \%)}$	< 0.0005 %
Sulfate (SO ₄):	$\leq 0.003 \%$	< 0.003 %
Arsenic (As)	$\leq 0.0003 \%$	< 0.0003 %
Heavy Metals (as Pb):	$\leq 5 \text{ ppm (0.0005 \%)}$	< 0.0004 %
Iron (Fe):	$\leq 3 \text{ ppm (0.0003 \%)}$	< 0.0003 %
Calcium (Ca):	$\leq 0.005 \%$	0.00003 %
Magnesium (Mg):	$\leq 0.002 \%$	0.00014 %
Sodium (Na):	$\leq 0.005 \%$	0.0008 %
Chorate	Passes Test	PASS
Loss on Drying	$\leq 1.0 \%$	0.13 %
Plant Cell Culture Tested	Passes Test	PASS

Additional Information

Store at 15 to 30°C

This product meets or exceeds ACS grade testing requirements

Recommended Retest: Oct 31, 2019

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for Laboratory Use Only.

Becky Kowallis

3/12/2015

Quality Control