

Product Specification

Potassium Nitrate, ACS Reagent Grade

Lot Number: SAMPLE

Product Number: RDCP0590

Date Packaged: N/A

Expiration Date: N/A

Contains

KNO₃ CAS No. 7757-79-1 MW 101.10

Test	Specification	Result
Assay	min 99.0 %	N/A
Calcium (Ca)	max 0.005 %	N/A
Chloride (Cl)	max 0.002 %	N/A
Heavy Metals (as Pb)	max 5 ppm	N/A
Insoluble Matter	max 0.005 %	N/A
Iodate (IO ₃)	max 5 ppm	N/A
Iron (Fe)	max 3 ppm	N/A
Magnesium (Mg)	max 0.002 %	N/A
Nitrite (NO ₂)	max 0.001 %	N/A
pH of 5% Solution	4.5-8.5	N/A
Phosphate (PO ₄)	max 5 ppm	N/A
Sodium (Na)	max 0.005 %	N/A
Sulfate (SO ₄)	max 0.003 %	N/A

Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document traceability and production history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
RDCP0590-2.5A5	2.5 kg poly natural	84 months
RDCP0590-500B1	500 g poly	84 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."