

F-QC-001 Rev.00

## Certificate Of Analysis



Product Name : Potassium Nitrate AR

Catalog Number : O-5154

Batch Number : 5154-00000000

CAS Number : 7757-79-1

Molecular Weight : 101.10 g/mol

MoL. Formula : KNO<sub>3</sub>

Expire Date : 60 Months

No	Test	Specifications	Results
1	Appearance	Colourless or white crystals or crystalline powder.	White crystalline powder
2	Assay (Titration after Ion-Exchange)	99.0 - 100.5 %	99.82%
3	Identity (acc.to pharmacopoeias)	Passess test	Passess test
4	Appearance of solution	Passess test	Passess test
5	Reducing substance	Passess test	Passess test
6	pH (5% solution in water at 20 °C)	4.5 - 8.5	6.15
7	Acidity or alkalinity	Passess test	Passess test
8	Chloride (Cl)	max 0.001%	0.0006%
9	Chlorate and perchlorate (as Cl)	Passess test	Passess test
10	Sulphate (SO <sub>4</sub> )	max 0.003%	0.0015%
11	Phosphate (PO <sub>4</sub> )	max 0.0005%	0.00024%
12	Heavy metal (as Pb)	max 0.0005%	0.00026%
13	Arsenic (As)	max 0.0003%	0.0001%
14	Iron (Fe)	max 0.0003%	0.00019%
15	Calcium (Ca)	max 0.001%	0.0006%
16	Sodium (Na)	max 0.02%	0.0032%
17	Ammonium (NH <sub>4</sub> )	max 0.001%	0.00041%
18	Iodate (IO <sub>3</sub> )	max 0.0005%	0.00025%
19	Nitrite (NO <sub>2</sub> )	max 0.001%	0.00061%
20	Loss on drying (at 105°C)	max 0.5%	0.22%

Corresponds to AR Grade Confirms to BP,USP

**LABOTIQ** Standard of Product Reference to Analar standard and ACS specification



SUDIRO S.Si.  
Manager QC