

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Potassium Chloride 99.5% AR

Catalog Number : O-5141

Batch Number : 5141-00000000

CAS Number : 7447-40-7

Molecular Weight : 74.56 g/mol

Mol. Formula : KCl

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	White crystals or crystalline powder	White crystalline powder
2	Assay (argentometric)	99.0 – 100.5 %	99.985%
3	pH (2% Solution in water 25°C)	5.4 – 8.6	6.5
4	Insoluble matter in water	max 0.01 %	0.0045%
5	Bromide (Br)	max 0.01 %	0.0032%
6	Iodide (I)	max 0.002 %	0.00079%
7	Sulphate (SO ₄)	max 0.005 %	0.0014%
8	Phosphate (PO ₄)	max 0.005 %	0.0012%
9	Nitrogen compounds (N)	max 0.001 %	0.0002%
10	Heavy metals (as Pb)	max 0.0005 %	0.000048%
11	Iron (Fe)	max 0.0003 %	0.00014%
12	Calcium (Ca)	max 0.002 %	0.0009%
13	Barium (Ba)	max 0.001 %	0.00012%
14	Magnesium (Mg)	max 0.001 %	0.00033%
15	Sodium (Na)	max 0.02 %	0.0049%
16	Loss on drying (at 130 °C)	max 0.2 %	0.017%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specificationSUDIRO S.Si.
Manager QC