

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Potassium Carbonate Anhydrous 99.5 % AR

Catalog Number : O-5277

Batch Number : 5277-00000000

CAS Number : 584-08-7

Molecular Weight : 138.21 g/mol

Mol. Formula : K_2CO_3

Expire Date : 60 months



No	Test	Specifications	Results
1	Appearance	A hygroscopic white crystalline powder or granular or powder	Hydroscopic white crystalline powder
2	Assay (acidimetric on dried subs.)	99.5 - 100.5 %	100.103%
3	Insoluble matter in water	max 0.005 %	0.00022%
4	Loss on drying (at 300 °C)	max 2.0 %	1.720%
5	Chloride (Cl)	max 0.005 %	0.00033%
6	Phosphate (PO_4)	max 0.001 %	0.00081%
7	Sulphate (SO_4)	max 0.003 %	0.00091%
8	Calcium (Ca)	max 0.002 %	0.00085%
9	Iron (Fe)	max 0.0005 %	0.00015%
10	Magnesium (Mg)	max 0.002 %	0.00011%
11	Sodium (Na)	max 0.02 %	0.0053%
12	Nitrate (NO_3)	max 0.002 %	0.0006%
13	Silicate (as SiO_2)	max 0.005 %	0.00012%
14	Copper (Cu)	max 0.0005 %	0.00015%
15	Heavy metals (as Pb)	max 0.0005 %	0.00011%

Corresponds to AR Grade

LABOTIQ In-house product specification, referenced to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC