

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Calcium Chloride Dihydrate 99 % AR

Catalog Number : O-5057

Batch Number : 5057-00000000

CAS Number : 10035-04-8

Molecular Weight : 147.02 g/mol

Mol. Formula : $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	White hygroscopic crystalline powder	White hygroscopic crystalline powder
2	Assay (complexometric)	99.0 - 105.0 %	99.779%
3	Solubility	Freely soluble in water, in alcohol and in boiling alcohol, very soluble in boiling water	complies
4	Identification	to comply USP test	complies
5	pH (5% solution in water ; 25°C)	4.5 - 8.5	5.1
6	Free acid (as HCl)	max 0.005%	0.00016%
7	Free alkali (as CaO)	max 0.005%	0.00018%
8	Insoluble matter (10% in water)	max 0.01 %	0.0043%
9	Sulphate (SO_4)	max 0.01 %	0.0053%
10	Ammonium (NH_4)	max 0.005 %	0.0037%
11	Aluminium (Al)	max 0.0001 %	< 0.0001%
12	Arsenic (As)	max 0.0003 %	0.000055%
13	Heavy metals (as Pb)	max 0.0005 %	0.00014%
14	Iron, aluminium & phosphate	to comply USP test	complies
15	Barium (Ba)	max 0.005 %	0.0014%
16	Iron (Fe)	max 0.001 %	0.00028%
17	Potassium (K)	max 0.01 %	0.0024%
18	Magnesium (Mg)	max 0.005 %	0.0025%
19	Magnesium & alkali salt	max 0.5 %	0.07%
20	Sodium (Na)	max 0.02 %	0.005%
21	Strontium (Sr)	max 0.1 %	0.06%
22	Oxidizing substances (as NO_3)	max 0.003 %	0.00028%

LABOTIQ Product of Calcium Chloride Dihydrate

Corresponds to AR/ACS Grade, Meets Analytical Specification of USP

SUDIRO S.Si.
Manager QC