

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Calcium Chloride Dihydrate AR

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

Mol. Weight : 147.01 g/mol

Catalog No. : A-2114

Cas No : 10035-04-8

Batch No. : Sample COA

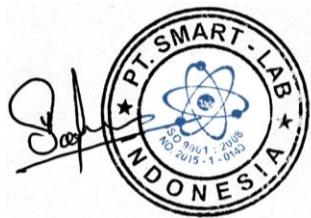
Shelf Life : 60 Months



NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	White hygroscopic crystalline powder	White hygroscopic crystalline powder
2.	Assay (argentometric)	wt %	98.0 – 103.0	99.628
3.	pH (5% Solution) at 25 °C	pH	4.5 – 8.5	8.35
4.	Oxidizing substances (as NO_3)	wt %	max 0.003	0.0019
5.	Sulphate (SO_4)	wt %	max 0.01	0.0048
6.	Barium (Ba)	wt %	max 0.005	0.0016
7.	Heavy metals (as Pb)	wt %	max 0.0005	0.00018
8.	Iron (Fe)	wt %	max 0.001	0.00038
9.	Magnesium (Mg)	wt %	max 0.005	< 0.005
10.	Potassium (K)	wt %	max 0.01	< 0.01
11.	Sodium (Na)	wt %	max 0.02	< 0.02
12.	Strontium (Sr)	wt %	max 0.05	0.018
13.	Nitrogen compounds (N)	wt %	max 0.005	0.0022

Result: The above product corresponds to AR Grade

Reference or standard of product specification to Analar standard and ACS specification



Yuvraj Sagvekar
Manager QC