

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Sodium Chloride AR

Mol. Formula : NaCl

Mol. Weight : 58.44 g/mol

Catalog No. : A-2049

Batch No. : Sample COA

Cas No : 7647-14-5

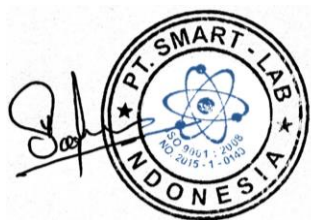
Shelf Life : 60 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	White crystalline powder	White crystalline powder
2.	Assay (argentometric)	wt %	min 99.0	99.979
3.	pH (5% solution at 25 °C)	pH	5.0 – 9.0	5.27
4.	Insoluble matter	wt %	max 0.005	0.0011
5.	Ferrocyanida [Fe(CN) ₆]	—	Passes test	Passes test
6.	Iodide (I)	wt %	max 0.002	< 0.002
7.	Bromide (Br)	wt %	max 0.01	< 0.01
8.	Chlorate and nitrate (as NO ₃)	wt %	max 0.003	0.0017
9.	Nitrogen compounds (as N)	wt %	max 0.001	< 0.001
10.	Phosphate (PO ₄)	wt %	max 0.0005	< 0.0005
11.	Sulphate (SO ₄)	wt %	max 0.004	< 0.004
12.	Barium (Ba)	wt %	max 0.001	0.00085
13.	Calcium, magnesium and R ₂ O ₃ precipitate	wt %	max 0.005	< 0.005
14.	Heavy metals (as Pb)	wt %	max 0.0005	0.000019
15.	Iron (Fe)	wt %	max 0.0002	0.000018
16.	Potassium (K)	wt %	max 0.005	0.00016

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Result: The above product corresponds to AR Grade

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



Yuvraj Sagvekar
Manager QC