

# PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

## CERTIFICATE OF ANALYSIS

Product Name : Potassium Bromide AR

Mol. Formula : KBr

Mol. Weight : 119.01 g/mol

Catalog No. : A-3101

Cas No : 7758-02-3



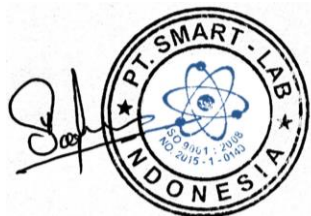
Batch No. : Sample COA

Shelf Life : 60 Months

NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	–	white crystals or crystalline powder	white crystalline powder
2.	Assay ( argentometric)	wt %	min 99.5	99.755
3.	pH (5%,water) at 25 °C	–	5.0 - 8.8	5.80
4.	Bromate (BrO <sub>3</sub> )	wt %	max 0.001	0.0005
5.	Chloride (Cl)	wt %	max 0.2	0.0892
6.	Iodide (I)	wt %	max 0.001	0.00072
7.	Sulphate (SO <sub>4</sub> )	wt %	max 0.005	0.0035
8.	Total Nitrogen (N)	wt %	max 0.001	0.00061
9.	Heavy metals (as Pb)	wt %	max 0.0005	0.00004
10.	Barium (Ba)	wt %	max 0.002	0.0012
11.	Calcium (Ca)	wt %	max 0.001	0.00086
12.	Iron (Fe)	wt %	max 0.0008	0.000025
13.	Magnesium (Mg)	wt %	max 0.001	< 0.0001
14.	Sodium (Na)	wt %	max 0.02	0.001665
15.	Loss on drying (105 °C)	wt %	max 0.5	0.0296

Result: The above product corresponds to AR Grade

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



Yuvraj Sagvekar  
Manager QC