

PT. SMART LAB INDONESIA

MANUFACTURER OF ANALYTICAL REAGENTS

F/QCL/009 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Bromine 99.5 % Liquid AR

Mol. Formula : Br₂

Mol. Weight : 159.81 g/mol

Catalog No. : A-1153

Cas No : 7726-95-6

Batch No. : Sample COA

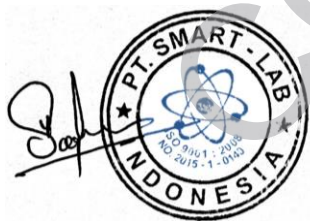
Shelf Life : 36 Months



NO.	TESTS	UNITS	SPECIFICATIONS	RESULTS
1.	Appearance	—	Heavy, Brownish red fuming liquid	Heavy Brownish red fuming liquid
2.	Assay (Iodometric, Br)	wt %	min 99.5	99.942
3.	Chlorine (Cl)	wt %	max 0.05	0.0177
4.	Residue after evaporation	wt %	max 0.005	0.0036
5.	Heavy metals (as Pb)	wt %	max 0.0002	0.00017
6.	Iodine (I)	wt %	max 0.001	< 0.001
7.	Sulfur compounds (S)	wt %	max 0.001	0.00068
8.	Nickel (Ni)	wt %	max 0.0005	< 0.0005
9.	Organic Bromine compounds	—	Passes test	Passes test

Result: The above product corresponds to AR Grade

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



Yuvraj Sagvekar
Manager QC