



## CERTIFICATE OF ANALYSIS

**Product Name** : POTASSIUM IODIDE 99.5% AR  
**Lot No.** : A42565Z2208 **Analyzed On** : 04-Aug-2022  
**Mol. Formula** : KI **Mol. Weight** : 166.00  
**Code No.** : 05391 **CAS No.** : 7681-11-0  
**Mfg. Date** : Aug-2022 **Exp. Date** : Jul-2027  
**HAZ. / P.G.** : - **UN No.** : -

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Assay (on anhydrous basis)	Min 99.5%	99.58%
3	Heavy metal (as Pb)	Max 0.0005%	Nil
4	Nitrogen compounds (as N)	Max 0.001%	<0.001%
5	Thiosulphate	Max 0.005%	<0.005%
6	Free alkali	Max 0.02%	<0.02%
7	Loss on drying (at 105°C)	Max 0.2%	0.2%
8	pH (5 % solution)	6.0 - 9.0	6.43
9	Chloride & bromide (as Cl)	Max 0.01%	0.008%
10	Iodate (IO <sub>3</sub> )	Max 0.0005%	0.0003%
11	Phosphate (PO <sub>4</sub> )	Max 0.001%	0.001%
12	Sulphate (SO <sub>4</sub> )	Max 0.001%	0.001%
13	Arsenic (As)	Max 0.00001%	<0.00001%
14	Barium (Ba)	Max 0.002%	0.0019%
15	Calcium (Ca)	Max 0.001%	0.000078%
16	Iron (Fe)	Max 0.0003%	Nil
17	Magnesium (Mg)	Max 0.001%	0.000029%
18	Sodium (Na)	Max 0.03%	0.027%

**CONCLUSION** - This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**

Sonam  
Chemist

Jagruti B. Patil  
QC Manager

### LOBA CHEMIE PVT. LTD.

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