

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM IODIDE AR**

<b>CAS No</b>	: 7681-11-0	<b>Product code</b>	: 25000
<b>Mol. Formula</b>	: KI	<b>Batch No.</b>	: MCRT-28967
<b>Mol. WT</b>	: 166.00	<b>Mfd.</b>	: Aug. 2023
<b>Date of analysis</b>	: 06/08/23	<b>Exp.</b>	: July 2028

S.R	Test	Specification	Observation
1	<b>Description</b>	White crystalline powder	White crystalline powder
2	<b>Assay (after drying)</b>	99.8% w/w min	99.86% w/w
3	<b>Insoluble matter</b>	0.003% max	0.002%
4	<b>Loss on drying at 120°C</b>	0.2% max	0.019%
5	<b>Acidity (HI)</b>	0.0065% max	<0.0065%
6	<b>Alkalinity (KOH)</b>	0.006% max	<0.006%
7	<b>Chloride and bromide (Cl)</b>	0.01% max	<0.01%
8	<b>Iodate (IO<sub>3</sub>)</b>	0.0002% max	<0.0002%
9	<b>Nitrogen compounds (N)</b>	0.001% max	<0.001%
10	<b>Phosphate (PO<sub>4</sub>)</b>	0.001% max	<0.001%
11	<b>Sulphate (SO<sub>4</sub>)</b>	0.0025% max	<0.0025%
12	<b>Barium (Ba)</b>	0.001% max	<0.001%
13	<b>Iron (Fe)</b>	0.0002% max	<0.0002%
14	<b>Lead (Pb)</b>	0.0002% max	<0.0002%
15	<b>Sodium (Na)</b>	0.05% max	<0.05%
16	<b>Iodine reducing substances (I)</b>	0.001% max	<0.001%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Nikita)**

**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

**MOLYCHEM H.Q. :** Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaoon, Badlapur (E), Dist.-Thane-421 503.