



CERTIFICATE OF ANALYSIS

PRODUCT NAME : POTASSIUM IODIDE AR

CAS No : 7681-11-0
Mol. Formula : KI
Mol. WT : 166.00
Date of analysis : 25/05/20

Product code : 25000
Batch No : MCRT-21312
Mfd. : May 2020
Exp. : April 2025

| S.R | Test | Specification | Observation |
|-----|--------------------------------|--------------------------|--------------------------|
| 1 | Description | White crystalline powder | White crystalline powder |
| 2 | Assay (after drying) | 99.8% w/w min | 99.91% w/w |
| 3 | Insoluble matter | 0.003% max | 0.001% |
| 4 | Loss on drying at 120°C | 0.2% max | 0.16% |
| 5 | Acidity (HI) | 0.0065% max | <0.0065% |
| 6 | Alkalinity (KOH) | 0.006% max | <0.006% |
| 7 | Chloride and bromide (Cl) | 0.01% max | <0.01% |
| 8 | Iodate (IO ₃) | 0.0002% max | <0.0002% |
| 9 | Nitrogen compounds (N) | 0.001% max | <0.001% |
| 10 | Phosphate (PO ₄) | 0.001% max | <0.001% |
| 11 | Sulphate (SO ₄) | 0.0025% max | <0.0025% |
| 12 | Barium (Ba) | 0.001% max | <0.001% |
| 13 | Iron (Fe) | 0.0002% max | <0.0002% |
| 14 | Lead (Pb) | 0.0002% max | <0.0002% |
| 15 | Sodium (Na) | 0.05% max | <0.05% |
| 16 | Iodine reducing substances (I) | 0.001% max | <0.001% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

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

Note: Computer generated image requires no sign.

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