

CERTIFICATE OF ANALYSIS

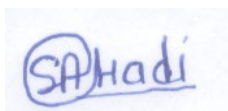
PRODUCT NAME : POTASSIUM NITRATE AR

| | | | |
|-------------------------|--------------------|---------------------|--------------|
| CAS No | : 7757-79-1 | Product code | : 25060 |
| Mol. Formula | : KNO ₃ | Batch No. | : MCAR-01622 |
| Mol. WT | : 101.11 | Mfd. | : May 2025 |
| Date of Analysis | : 20/05/25 | Exp. | : April 2030 |

| S.R | Test | Specification | Observation |
|-----|-----------------------------------|--------------------------------------------------|---------------------------|
| 1 | Description | Colourless crystals or white crystalline powder. | White crystalline powder. |
| 2 | Assay | 99.5 % min | 99.55% |
| 3 | pH (5% solution 20°C) | 5.0 – 7.0 | 6.11 |
| 4 | Chloride(Cl) | 0.001 % max | <0.001 % |
| 5 | Sulphate (SO₄) | 0.003 % max | <0.003 % |
| 6 | Phosphate (PO₄) | 0.0005 % max | <0.0005 % |
| 7 | Heavy metals (as Pb) | 0.001 % max | <0.001 % |
| 8 | Iron (Fe) | 0.001 % max | <0.001 % |
| 9 | Calcium (Ca) | 0.002 % max | <0.002 % |
| 10 | Sodium (Na) | 0.01 % max | <0.01 % |
| 11 | Ammonium (NH₄) | 0.004 % max | <0.004 % |
| 12 | Iodate (IO₃) | 0.0005 % max | <0.0005 % |
| 13 | Nitrite (NO₂) | 0.001 % max | <0.001 % |
| 14 | Magnesium (Mg) | 0.002 % max | <0.002 % |
| 15 | Copper (Cu) | 0.001% max | <0.001% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Sonu)**



[QC Incharge]



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

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