

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM NITRATE AR**

<b>CAS No</b>	: 7757-79-1	<b>Product code</b>	: 25060
<b>Mol. Formula</b>	: KNO <sub>3</sub>	<b>Batch No.</b>	: MCAR-01159
<b>Mol. WT</b>	: 101.11	<b>Mfd.</b>	: Jan. 2025
<b>Date of Analysis</b>	: 28/01/25	<b>Exp.</b>	: Dec. 2029

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless crystals or white crystalline powder.	White crystalline powder.
2	<b>Assay</b>	99.5 % min	99.62%
3	<b>pH (5% solution 20°C)</b>	5.0 – 7.0	6.74
4	<b>Chloride(Cl)</b>	0.001 % max	<0.001 %
5	<b>Sulphate (SO<sub>4</sub>)</b>	0.003 % max	<0.003 %
6	<b>Phosphate (PO<sub>4</sub>)</b>	0.0005 % max	<0.0005 %
7	<b>Heavy metals (as Pb)</b>	0.001 % max	<0.001 %
8	<b>Iron (Fe)</b>	0.001 % max	<0.001 %
9	<b>Calcium (Ca)</b>	0.002 % max	<0.002 %
10	<b>Sodium (Na)</b>	0.01 % max	<0.01 %
11	<b>Ammonium (NH<sub>4</sub>)</b>	0.004 % max	<0.004 %
12	<b>Iodate (IO<sub>3</sub>)</b>	0.0005 % max	<0.0005 %
13	<b>Nitrite (NO<sub>2</sub>)</b>	0.001 % max	<0.001 %
14	<b>Magnesium (Mg)</b>	0.002 % max	<0.002 %
15	<b>Copper (Cu)</b>	0.001% max	<0.001%

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

**[Tested By]**



**CHEMIST  
(Deepa)**



**[QC Incharge]**



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

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