

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : SODIUM NITRATE AR**

**CAS No : 7631-99-4**  
**Mol. Formula : NaNO<sub>3</sub>**  
**Mol. WT : 84.99**  
**Date of analysis : 30/10/24**

**Product code : 25900**  
**Batch No. : MCAR-00780**  
**Mfd. : Oct. 2024**  
**Exp. : Sept. 2029**

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless transparent crystals or white crystalline powder.	White crystalline powder
2	<b>Assay</b>	99.5%w/w min	99.50%w/w
3	<b>pH (5% aqueous)</b>	5.0 - 7.5	6.45
4	<b>Insoluble matter</b>	0.003% max	0.002%
5	<b>Chloride (Cl)</b>	0.0005% max	< 0.0005%
6	<b>Iodate (IO<sub>3</sub>)</b>	0.0005% max	< 0.0005%
7	<b>Nitrite (NO<sub>2</sub>)</b>	0.0005% max	< 0.0005%
8	<b>Phosphate (PO<sub>4</sub>)</b>	0.0002% max	< 0.0002%
9	<b>Sulphate (SO<sub>4</sub>)</b>	0.003% max	< 0.003%
10	<b>Arsenic (As)</b>	0.00004 % max	< 0.00004%
11	<b>Calcium (Ca)</b>	0.002% max	< 0.002%
12	<b>Copper (Cu)</b>	0.0002 % max	< 0.0002 %
13	<b>Iron (Fe)</b>	0.0002% max	< 0.0002%
14	<b>Lead (Pb)</b>	0.0002% max	< 0.0002%
15	<b>Potassium (K)</b>	0.005% max	< 0.005%

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

**[Tested By]**



**CHEMIST  
(Akash)**

**[QC Incharge]**



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

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