

CERTIFICATE OF ANALYSIS

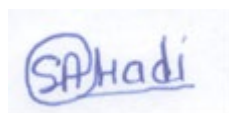
PRODUCT NAME : POTASSIUM NITRATE AR

CAS No	: 7757-79-1	Product code	: 25060
Mol. Formula	: KNO ₃	Batch No.	: MCAR-01280
Mol. WT	: 101.11	Mfd.	: Feb. 2025
Date of Analysis	: 24/02/25	Exp.	: Jan. 2030

S.R	Test	Specification	Observation
1	Description	Colourless crystals or white crystalline powder.	White crystalline powder.
2	Assay	99.5 % min	99.62%
3	pH (5% solution 20°C)	5.0 – 7.0	6.38
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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