



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POTASSIUM CARBONATE ANHYDROUS AR**

**CAS No : 584-08-7**  
**Mol. Formula : K<sub>2</sub>CO<sub>3</sub>**  
**Mol. WT : 138.21**  
**Date of analysis : 11/01/24**

**Product code : 24820**  
**Batch No : MCRT-30148**  
**Mfd. : Jan. 2024**  
**Exp. : Dec. 2028**

S.R	Test	Specification	Observation
1	<b>Description</b>	A hygroscopic white crystalline powder or powder / granules.	A hygroscopic white powder.
2	<b>Assay (after drying at 300°)</b>	99.9% min.	99.91%
3	<b>Insoluble matter</b>	0.005% max	0.003%
4	<b>Loss on drying at 300°C</b>	2.0% max	0.47%
5	<b>Chloride (Cl)</b>	0.002% max	< 0.002%
6	<b>Nitrate (NO<sub>3</sub>)</b>	0.002% max	< 0.002%
7	<b>Phosphate (PO<sub>4</sub>)</b>	0.0005% max	< 0.0005%
8	<b>Sulphate (SO<sub>4</sub>)</b>	0.003% max	< 0.003%
9	<b>Calcium (Ca)</b>	0.002 % max	< 0.002 %
10	<b>Copper (Cu)</b>	0.0005% max	< 0.0005%
11	<b>Iron (Fe)</b>	0.0005% max	< 0.0005%
12	<b>Lead (Pb)</b>	0.0005% max	< 0.0005%
13	<b>Magnesium (Mg)</b>	0.002% max	< 0.002%
14	<b>Sodium (Na)</b>	0.08% max	< 0.08%
15	<b>Silicate (SiO<sub>2</sub>)</b>	0.0025% max	< 0.0025%

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Deepa)**

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

**Note:** Computer generated image requires no sign.

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