

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : PHOSPHORUS PENTOXIDE AR**

**CAS No : 1314-56-3**  
**Mol. Formula : P<sub>2</sub>O<sub>5</sub>**  
**Mol. WT : 141.94**  
**Date of analysis : 24/09/24**

**Product code : 24730**  
**Batch No. : MCAR-00624**  
**Mfd. : Sept. 2024**  
**Exp. : Aug. 2029**

S.R	Test	Specification	Observation
1	<b>Description</b>	White hygroscopic powder.	White hygroscopic powder.
2	<b>Assay</b>	98% min	99.92%
3	<b>Chloride (Cl)</b>	0.001% max	< 0.001%
4	<b>Nitrate (NO<sub>3</sub>)</b>	0.0005% max	<0.0005%
5	<b>Substances soluble in water</b>	0.02% max	0.007%
6	<b>Reducing substances (as P<sub>2</sub>O<sub>3</sub>)</b>	0.02% max	<0.02%
7	<b>Ammonium (NH<sub>4</sub>)</b>	0.001% max	<0.001%
8	<b>Arsenic (As)</b>	0.005% max	<0.005%
9	<b>Lead (Pb)</b>	0.005% max	<0.005%
10	<b>Cadmium (Cd)</b>	0.0005% max	<0.0005%
11	<b>Iron (Fe)</b>	0.001% max	<0.001%
12	<b>Potassium (K)</b>	0.005% max	<0.005%
13	<b>Cobalt (Co)</b>	0.0005% max	<0.0005%
14	<b>Copper (Cu)</b>	0.0005% max	<0.0005%
15	<b>Manganese (Mn)</b>	0.0005% max	<0.0005%
16	<b>Sodium (Na)</b>	0.005% max	<0.005%
17	<b>Nickel (Ni)</b>	0.0005% max	<0.0005%
18	<b>Zinc (Zn)</b>	0.0005% max	<0.0005%

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

**[Tested By]**



**CHEMIST  
(Shruti)**

**[QC Incharge]**



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

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