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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Potassium Dihydrogen Orthophosphate AR  
**Batch No.** : 228201  
**Date of Mfg.** : Dec 2024  
**Date of Expiry** : Nov 2029  
**Register No** : 2024-25  
**Qty of Sample** : 500gm  
**Date of Analysis** : Dec 2024

S. No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White Crystalline Powder
2.	Assay (after drying)	99.5% KH <sub>2</sub> PO <sub>4</sub>	Min.99.5%
3.	pH (5% solution)	4.36	4.3 - 4.5
4.	Water insoluble matter	0.0074%	Max.0.01%
4.	Loss on drying	0.048%	Max.0.05%
5.	Chloride	0.0002%	Max.0.0005%
6.	Nitrogen compounds	0.0005%	Max.0.002%
7.	Sulphate	0.0008%	Max.0.005%
8.	Calcium	0.0005%	Max.0.01%
9.	Copper	0.0005%	Max.0.0005%
10.	Iron	0.0014%	Max.0.002%
11.	Lead	0.0005%	Max.0.0005%
12.	Magnesium	0.002%	Max.0.002%
13.	Sodium	0.0063%	Max.0.01%

**Chief Chemist**