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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : di Sodium hydrogen orthophosphate  
dodecahydrate AR  
**Batch No.** : 225460  
**Date of Mfg** : March 2022  
**Date of Exp.** : Feb 2027  
**Register No.** : 2022-23  
**Qty of Sample** : 500gm  
**Date of Analysis** : March 2022

S.No	Test Parameters	Observed Values	Standard Values
1.	Description	Passes	White Crystalline Powder
2.	Solubility	Passes	Freely soluble in water; Practically insoluble in Ethanol
3.	Assay	99.8% Na <sub>2</sub> HPO <sub>4</sub> .12H <sub>2</sub> O	Min.99.0%
4.	pH (0.1 M solution)	9.17	9.1-9.4
5.	Water-insoluble matter	0.0012%	Max.0.003%
6.	Chloride	0.0006%	Max.0.001%
7.	Nitrogen compounds	0.0002%	Max.0.002%
8.	Sulphate	0.005%	Max.0.005%
9.	Iron	0.0001%	Max.0.0002%
10.	Lead	0.0001%	Max.0.0002%
11.	Potassium	0.0008%	Max.0.001%

Chief Chemist