




**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**

**DEPARTMENT : QUALITY CONTROL**

<b>Ref .SOP No</b>	QC/017, Rev – 00	<b>Format No. : QC/017/F/02-00</b>	
<b>Name of product</b> : DI SODIUMHYDROGEN PHOSPHATE DODECAHYDRATE IP			
<b>Chemical Formula</b> : Na <sub>2</sub> HP0 <sub>4</sub> .12H <sub>2</sub> O		<b>Molecular Weight</b> : 358.1 gm/mol.	<b>CAS No</b> : 10039-32-4
<b>HSN Code</b>	28352200	<b>Batch Number</b>	025001L22
<b>Date of sampling</b>	28/12/2022	<b>Date of Manufacture</b>	Dec.-2022
<b>Sample Quantity</b>	100.00 Gms.	<b>Retest Date</b>	3 Years after Mfg. date
<b>Date of Analysis</b>	28/12/2022		
<b>Date of Release</b>	29/12/2022		
<b>Mfg. Lic. No.</b>	G/25/2513		
Sr. No.	Test	Observation	Specification
1.	Appearance	<b>Colorless, transparent crystals, efflorescent. very</b>	Colorless, transparent crystals, very efflorescent.
2.	<b>Identification A</b> Solution A gives the reactions of Sodium salts and Phosphates.	<b>Complies</b>	To pass test
3.	Appearance of Solution	<b>The solution is clear and colorless</b>	The solution is clear and colorless
4.	Arsenic	<b>Complies</b>	Max. 2 ppm
5.	Heavy metals	<b>Complies</b>	Max. 10 ppm
6.	Iron	<b>5 ppm</b>	Max. 20 ppm
7.	Chlorides	<b>15 ppm</b>	Max. 250 ppm
8.	Sulfates	<b>Complies</b>	Max. 600 ppm
9.	Reducing substances	<b>Complies</b>	To Pass Test.
10.	Sodium Di Hydrogen phosphate	<b>Complies</b>	To Pass test
11.	Water	<b>57.38%</b>	57.0 % to 61.0 %
12.	Assay (Anhydrous basis)	<b>99.15%</b>	98.0% - 101.0 %
<b>Storage Condition</b>	: Preserve in well-closed containers.		

**Remarks:** The above product complies with above specification.

	<b>Prepared By/Analyzed by</b>	<b>Approved by</b>
<b>Signature</b>		 
<b>Date</b>	28/12/2022	29/12/2022