

**FINISHED PRODUCT: CERTIFICATE OF ANALYSIS**

**DEPARTMENT : QUALITY CONTROL**

<b>Ref .SOP No</b>	QC/017, Rev – 00	<b>Format No. :</b> QC/017/F/02-00
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<b>Name of product</b>	: DI POTASSIUM HYDROGEN PHOSPHATE EP		
<b>Chemical Formula</b> : K <sub>2</sub> HP0 <sub>4</sub>	<b>Molecular Weight</b> : 174.18gm/mol	<b>CAS No</b> : 7758-11-4	
<b>HSN Code</b>	28352400	<b>Batch Number</b>	004001L22
<b>Date of sampling</b>	24/12/2022	<b>Date of Manufacture</b>	Dec.-2022
<b>Sample Quantity</b>	100.00 Gms.	<b>Date of Retest</b>	1 Years after Mfg. date
<b>Date of Analysis</b>	24/12/2022		
<b>Date of Release</b>	31/12/2022		
<b>Mfg. Lic. No.</b>	G/25/2513		

Sr. No.	Test	Observation	Specification
1.	Appearance	<b>White Crystalline Powder</b>	White or almost white powder or colourless crystals, very hygroscopic.
2.	Solubility	<b>Very soluble in water, very slightly soluble in ethanol (96 per cent).</b>	Very soluble in water, very slightly soluble in ethanol (96 per cent).
3.	<b>Identification A</b> Solution S is slightly alkaline <b>Identification B</b> Solution S gives reaction (b) of phosphates <b>Identification C</b> Solution S gives reaction (a) of potassium	<b>Complies</b>  <b>Complies</b>  <b>Complies</b>	To pass test  To pass test  To pass test
4.	Appearance of Solution	<b>The solution is clear and colourless</b>	The solution is clear and colourless
5.	Reducing substances	<b>The solution remains faintly pink.</b>	The solution remains faintly pink.
6.	Mon potassium phosphate	<b>Complies</b>	Max. 2.5 %
7.	Chlorides	<b>35 ppm</b>	Max. 200 ppm
8.	Sulfates	<b>65 ppm</b>	Max. 0.1 %
9.	Arsenic	<b>Complies</b>	Max 2 ppm

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■ **An ISO 9001:2015 Certified Company** ■ **GST** : 24AAGCA9795F1ZC ■ **Udyam Registration** : UDYAM-GJ-24-0020783

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Sr. No.	Test	Observation	Specification
10.	Iron	<b>Complies</b>	Max. 10 ppm
11.	Sodium	<b>Complies</b>	Max 0.1 %
12.	Loss on drying	<b>0.31%</b>	Max 2.0 %
13.	Bacterial endotoxins	<b>Complies</b>	Less than 1.1 IU/mg
14.	Assay (dried basis)	<b>98.18 %</b>	98.0 % - 101.0 %

<b>Storage Condition</b>	: In an airtight container.
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**Remarks:** The above product complies with above specification.

	Prepared By/Analyzed by	Approved by
<b>Signature</b>		 
<b>Date</b>	24/12/2022	31/12/2022