



**Aarti**  
Phosphates

**Aarti Phosphates**  
An ISO 9001:2008 certified company

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## Certificate of Analysis

Customer Name:

Invoice No.:

Product Name: Di Sodium Phosphate, Anhydrous / DiSodium Hydrogen Orthophosphate, Anhydrous, Formula: (Na<sub>2</sub>HPO<sub>4</sub>), CAS No: 7558 - 79 - 4)

Grade: Food, E Number: E339 (ii)

Batch Number: 04 / 19 / 11

Mfg. Date: 24 / 04 / 2019

Expiry Date: 23 / 04 / 2021

Quantity: -

Analysis Date: 25 / 04 / 2019

After the testing of above mentioned product following results were obtained:

Characteristic	Unit/Measure	Specifications maintained	Actual result obtained
<b>Description</b>	visual	White fine powder	White fine powder
<b>Identification</b>	as Na & PO <sub>4</sub>	+ ve	+ ve
<b>PH</b>	5 % w/v	8.7 - 9.6	9.40
<b>Loss on drying</b>	at 110 degree Celsius for 1 hr	Maximum 1.0 %	0.32 %
<b>Assay</b>	% by Titration	Minimum 98.0	99.70
<b>Phosphorus Pentoxide P<sub>2</sub>O<sub>5</sub></b>	%	Minimum 48.0	49.20
<b>Solubility</b>		Soluble in water	Soluble in water
<b>Clarity of Solution</b>	5 % w/v	Clear solution	Clear solution
<b>Sulfate as SO<sub>4</sub></b>	ppm	under 150	30
<b>Iron as Fe</b>	ppm	under 30	< 4
<b>Chloride as Cl</b>	ppm	under 250	20
<b>Arsenic as As</b>	ppm	under 1	nil
<b>Fluoride as F</b>	ppm	under 1	nil
<b>Heavy Metals</b>	ppm	under 1	< 1

### Remark:

Lead as Pb: Specification = Under 1 ppm, Result: 0.5 ppm  
Cadmium as Cd: Specification = Under 1 ppm, Result: 0.5 ppm  
Mercury as Hg: Specification = Under 1 ppm, Result: 0.5 ppm  
Aluminum as Al: Specification = Under 150 ppm, Result: < 100 ppm

These results and findings are obtained at the above mentioned time and place, carried out for the mentioned product only by our FDA approved chemists using standard methods and procedure

For **Aarti Phosphates**

Authorized signatory

Analyst

Date: 19 / 05 / 2019