

Certificate of Analysis

Customer Name: - Invoice No.: N A
Product Name: Tri Sodium Phosphate Dodecahydrate, Formula: Na₃PO₄.12H₂O CAS No: 7601-54-9 10101-89-0
Grade: Food, E Number: E339 (iii) Batch Number: 04 / 19 / 02
Mfg. Date: 05 / 04 / 2019 Expiry Date: 04 / 04 / 2021
Quantity: - Analysis Date: 06 / 04 / 2019

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

Characteristic	Unit/Measure	Specifications maintained	Actual result obtained
Description	visual	White crystals	White crystals
Identification	as Na & PO ₄	+ ve	+ ve
PH	1 % w/v	Maximum 11.0	11.50
Loss on drying		-	-
Assay	%	-	-
Phosphorus Pentoxide P₂O₅	%	Minimum 18.0	18.10
Solubility		Soluble in water	Soluble in water
Clarity of Solution	5 % w/v	Clear solution	Clear solution
Sulfate as SO₄	ppm	Under 150	55
Iron as Fe	ppm	Under 30	14
Chloride as Cl	ppm	Under 250	75
Arsenic as As	ppm	Under 1	nil
Fluoride as F	ppm	Under 1	nil
Heavy Metals	ppm	Under 1	< 0.1

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 100 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