



CERTIFICATE OF ANALYSIS

PRODUCT NAME : tri-SODIUM PHOSPHATE DODECAHYDRATE AR, ACS

CAS No : 10101- 89- 0
Mol. Formula : $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$
Mol. WT : 380.12
Date of analysis : 27/08/23

Product code : 25950
Batch No : MCRT-27085-01
Mfd. : Aug. 2023
Exp. : July 2028

S.R	Test	Specification	Observation
1	Description	Colourless or white crystals or white	White crystalline powder
2	Assay ($\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$)	98.00 – 102.00%	98.64%
3	pH (5% aq. Solution)	11.80 – 13.00	11.99
4	Phosphate (as P_2O_5)	$\geq 18.30\%$	19.02%
5	Insoluble matter	$\leq 0.005\%$	0.002
6	Free alkali (as NaOH)	$\leq 2.50\%$	2.0%
7	Arsenic (as As_2SO_3)	$\leq 0.0005\%$	$< 0.0005\%$
8	Chloride (Cl)	$\leq 0.001\%$	$< 0.001\%$
9	Heavy metals (as Pb)	$\leq 0.001\%$	$< 0.001\%$
10	Iron (Fe)	$\leq 0.001\%$	$< 0.001\%$
11	Sulphate (SO_4)	$\leq 0.01\%$	$< 0.01\%$
12	Total nitrogen (N)	$\leq 0.001\%$	$< 0.001\%$
13	Soluble silica (SiO_2)	$\leq 0.05\%$	$< 0.05\%$

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

CHEMIST
(Sonu)

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015•ISO 14001: 2015•BS OHSAS 18001: 2007•WHO-GMP Certified•NSIC Registered•MSME Registered•CAA Registered