

CERTIFICATE OF ANALYSIS

PRODUCT NAME : tri-SODIUM CITRATE (DIHYDRATE) AR

CAS No	: 6132-04-3	Product code	: 25630
Mol. Formula	: C ₆ H ₅ Na ₃ O ₇ ·2H ₂ O	Batch No.	: MCAR-00030
Mol. WT	: 294.10	Mfd.	: April 2024
Date of analysis	: 16/04/24	Exp.	: March 2029

S.R	Test	Specification	Observation
1	Description	White crystals or crystalline powder.	White crystalline powder.
2	Assay (HClO ₄ titration)	99.0% w/w min	99.42% w/w
3	pH (5% aq.solution)	7.5 - 9.0	8.30
4	Water insoluble matter	0.003% max	0.002%
5	Chloride (Cl)	0.005% max	<0.005%
6	Sulphate (SO ₄)	0.005% max	<0.005%
7	Phosphate (PO ₄)	0.001% max	<0.001%
8	Iron (Fe)	0.0005% max	<0.0005%
9	Ammonium(NH ₄)	0.001% max	<0.001%
10	Lead (Pb)	0.0005% max	<0.0005%
11	Oxalate(C ₂ O ₄)	0.01% max	<0.01%
12	Arsenic (As)	0.00004% max	<0.00004%
13	Copper (Cu)	0.0005% max	<0.0005%
14	Potassium (K)	0.01% max	<0.01%
15	Reducing substance	Passes test	Passes test
16	Readily carbonizable substance	Passes test	Passes test

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

CHEMIST
(Swati)

HEAD-QUALITY ASSURANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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