



**Pallav Chemicals & Solvents Pvt. Ltd**

Manufacturers of Laboratory Fine Chemicals

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Factory: N-226 Near Kumbhavali Naka, Tarapur MIDC, Boisar – 401506. • Email: [sales@pallavchemicals.com](mailto:sales@pallavchemicals.com)

## **CERTIFICATE OF ANALYSIS**

Product Name	:	TRI-SODIUM CITRATE AR (DIHYDRATE)
Code No.	:	02393
Batch No.	:	PC/402/19-3
Mfg. Date	:	AUGUST – 2019
Date Of Analysis	:	08/08/2019
Retest Date	:	JULY - 2024

TEST	SPECIFICATION	RESULT
Appearance	White crystalline powder	White crystalline powder
Assay (by HClO <sub>4</sub> titration)	99 - 100.5%	99.49%
Identity	Passes test	Passes test
Appearance of solution (100 g/L)	Clear and colorless	Clear and colourless
Insoluble matter	Max 0.005%	0.0002%
Acidity or alkalinity	Passes test	Passes test
pH (50 mg/mL in water; 25°C)	7.5 - 9.0	8.9
Chloride (Cl)	Max 0.003%	0.0004%
Sulphate (SO <sub>4</sub> )	Max 0.005%	0.00002%
Heavy metals (by ICP-OES)	Max 0.0005%	0.00003%
Iron (Fe)	Max 0.0005%	0.00004%
Oxalate (as C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> )	Max 0.01%	0.007%
Tartarate (C <sub>4</sub> H <sub>6</sub> )	Passes test	Passes test
Readily carbonisable substance	Passes test	Passes test
Ammonium (NH <sub>4</sub> )	Max 0.003%	0.0005%
Calcium (Ca)	Max 0.005%	0.0007%
Water (by KF)	11.0 - 13.0%	12.39%
Loss on drying (180°C; 18 hrs)	10.0 - 13.0%	9.15%

REMARK : This product complies as per the specifications of **Pallav Chemicals & Solvents Pvt. Ltd.**

**This is an electronically generated Certificate and is valid without a signature.**

For Issues relating to Quality you may send us a mail on [sales@pallavchemicals.com](mailto:sales@pallavchemicals.com) or call on **022 4928 4000**

Website: [www.pallavchemicals.com](http://www.pallavchemicals.com)