

CERTIFICATE OF ANALYSIS

Product Name : TRI SODIUM CITRATE	
Lot No. : PEL/TCG/1509/25/25	Release Date : 1-OCT-2025
Mol. Formula : C ₆ H ₅ Na ₃ O ₇ ·2H ₂ O	Mol. Weight : 294.10
Code No. : PEL167	CAS No. : 6132-04-3
Mfg. Date : Jul-2025	Exp. Date : Jun-2030
HAZ. / P.G. : -	UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Assay (by HClO ₄ titration)	97 – 99.21%	98.23%
3	Identity	Passes test	Passes test
4	Appearance of solution (100 g/L)	Clear and colorless	Passes test
5	Insoluble matter	Max 0.005%	0.005%
6	Acidity or alkalinity	Passes test	Passes test
7	pH (50 mg/mL in water; 25°C)	7.5 - 9.0	8.84
8	Chloride (Cl)	Max 0.003%	0.0024%
9	Sulphate (SO ₄)	Max 0.005%	0.004%
10	Heavy metals (by ICP-OES)	Max 0.0005%	0.0005%
11	Iron (Fe)	Max 0.0005%	0.00021%
12	Oxalate (as C ₂ H ₂ O ₄)	Max 0.01%	0.01%
13	Tartrate (C ₄ H ₆)	Passes test	Passes test
14	Readily carbonisable substance	Passes test	Passes test
15	Ammonium (NH ₄)	Max 0.003%	0.0018%
16	Calcium (Ca)	Max 0.005%	0.0002%
17	Water (by KF)	11.0 - 13.0%	12.13%
18	Loss on drying (180°C; 18 hrs)	10.0 - 13.0%	12.18%

CONCLUSION -Based on the evaluation, the product meets all applicable **PELICAN (Trust Lies Here)** specifications.



Pelican
 (Trust lies here)