

CERTIFICATE OF ANALYSIS

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|--------------|---|-------------|---------------|
| Product Name | : tri-SODIUM CITRATE DIHYDRATE 99% AR/ACS Confirming to BP, USP | Analyzed On | : 03-Jun-2022 |
| Lot No. | : B41107Z2206 | Mol. Weight | : 294.10 |
| Mol. Formula | : C ₆ H ₅ Na ₃ O ₇ .2H ₂ O | CAS No. | : 6132-04-3 |
| Code No. | : 05835 | Exp. Date | : May-2027 |
| Mfg. Date | : Jun-2022 | UN No. | : - |
| HAZ. / P.G. | : - | | |

| Sr. | Tests | Specifications | Results |
|-----|--|--------------------------|--------------------------|
| 1 | Appearance | White crystalline powder | White crystalline powder |
| 2 | Assay (by HClO ₄ titration) | 99 - 100.5% | 100.04% |
| 3 | Identity | Passes test | Passes test |
| 4 | Appearance of solution (100 g/L) | Clear and colorless | Clear and colorless |
| 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 | 8.72 |
| 8 | Chloride (Cl) | Max 0.003% | 0.0027% |
| 9 | Sulphate (SO ₄) | Max 0.005% | 0.0045% |
| 10 | Heavy metals (by ICP-OES) | Max 0.0005% | Nil |
| 11 | Iron (Fe) | Max 0.0005% | 0.0005% |
| 12 | Oxalate (as C ₂ H ₂ O ₄) | Max 0.01% | 0.01% |
| 13 | Tartarate (C ₄ H ₆) | Passes test | Passes test |
| 14 | Readily carbonisable substance | Passes test | Passes test |
| 15 | Ammonium (NH ₄) | Max 0.003% | 0.0026% |
| 16 | Calcium (Ca) | Max 0.005% | 0.00040% |
| 17 | Water (by KF) | 11.0 - 13.0% | 11.14% |
| 18 | Loss on drying (180°C; 18 hrs) | 10.0 - 13.0% | 8.63% |

CONCLUSION -This above product complies as per the specifications of **LOBA CHEMIE PVT. LTD.**



Ruchita R
Chemist



Shashikant Gaikwad
QC Manager

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