



SODIUM CITRATE I.P./B.P.

Other names: Tri-Sodium Citrate; Citrosodine; Sodium Citrate Anhydrous

Chemical formula: $C_6H_5Na_3O_7 \cdot 2H_2O$

CAS # 6132-04-03

Specification:

| TESTS | REQUIREMENTS | |
|----------------------------------|-------------------------|-------------------------|
| | I.P. | B.P. |
| Solubility: | Must Comply | Must Comply |
| Identification: | Must Comply | Must Comply |
| Appearance of Solution: | Must Comply | Must Comply |
| Acidity or Alkalinity: | Must Comply | Must Comply |
| Arsenic: | N.M.T 2 PPM | - |
| Heavy Metal: | N.M.T 10 PPM | - |
| Chloride: | N.M.T 100 PPM | N.M.T 50 PPM |
| Sulphate: | N.M.T 150 PPM | N.M.T 150 PPM |
| Tartrate: | Must Comply | - |
| Oxalate: | N.M.T 300 PPM | N.M.T 300 PPM |
| Readily Carbonisable Substances: | Must Comply | Must Comply |
| Water: | 11.0 % - 13.0 % w/w | 11.0 % - 13.0 % w/w |
| Assay: | 99.0 % - 101.0 % w/w | 99.0 % - 101.0 % w/w |

Applications:

a) Foods

- o It is used as a food additive, usually for flavor or as a preservative.
- o It is used in commercial ready-to-drink beverages and drink mixes, contributing a tart flavor.
- o It is used as an emulsifying stabilizer when making cheese.

b) Buffer

- o It can perform as a buffering agent or acidity regulator, resisting changes in pH
- o It is used in gelatin desserts, antacids, etc.

c) Medicinal Use

- o It is used as an anticoagulant in blood transfusions
- o It is used to relieve discomfort in urinary-tract infections, such as cystitis
- o It is used as an osmotic laxative; it is a major component of the WHO oral rehydration solution
- o It is used as an antacid, prior to anaesthesia, for caesarian section procedures to reduce the risks associated with the aspiration of gastric contents

d) Boiler descaling

- o It is used as an effective agent for removal of carbonate scale from boilers without removing them from operation and for cleaning automobile radiators.

Package Size: 25 Kg

Note: Different package size available for bulk orders

Package Type:

HDPE woven bag with a food grade polyliner bag inside