



# Product Specification

## Product Name: tri-SODIUM CITRATE Dihydrate AR

Alternate Name(s) Sodium citrate tribasic; citrosodine; citnatin; urisal.

### Description

White crystals or granular powder; odourless; pleasant acid taste.

### Properties

Chemical Formula:  $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$

Molecular Weight: 294.1

Product Code: SA034

CAS No.: 6132-04-3

### General Information:

Insoluble in alcohol. Decomposes at red heat. Combustible.

### Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH77

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

### Quality Specification

Assay: 99.0% min.

### Specific Properties and Impurities [Typical levels]:

pH of a 5% solution	7.5-9.0
Insoluble matter	0.005%
Acidity/Alkalinity	Passes test
Chlorides (Cl)	0.001%
Oxalates (C <sub>2</sub> O <sub>4</sub> )	0.03%
Sulfate (SO <sub>4</sub> )	0.004%
Ammonia (NH <sub>3</sub> )	0.003%
Moisture	11-13%
Heavy metals (as Pb)	0.0005%
Substances darkened by sulfuric acid	Passes test
Calcium (Ca)	0.005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0005%
Zinc (Zn)	0.0005%

CONFORMS TO ACS

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