

Technical Information

tri-Sodium Citrate Dihydrate

Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications

Product Code:TC1249M

Product Information

Product Code	: TC1249M
Product Name	: tri-Sodium Citrate Dihydrate Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 Testing specifications,
Synonym	: Sodium citrate dihydrate
Molecular Formula	: $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
Molecular Weight	: 294.10
CAS No.	: 6132-04-3

Technical Specification

Appearance	: A white crystalline powder or white granular crystals, or colourless crystals, slightly deliquescent in nature.
Solubility	: 10% solution in water is clear and colourless.
pH (5% in water at 25°C)	: 7.5 – 9.0
Appearance of solution	: 10% w/v solution is clear and colourless
Acidity or alkalinity	: ≤ 0.2 mL of 0.1M HCl or 0.1M NaOH is required to change the colour of the indicator
Arsenic	: $\leq 0.0002\%$
Chloride	: $\leq 0.01\%$
Tartrate	: No crystalline precipitate is formed
Heavy metals	: $\leq 0.001\%$
Oxalate	: $\leq 0.03\%$
Sulphate	: $\leq 0.015\%$
Loss on drying (at 180°C, 2hr)	: 10.00 - 13.00%
Assay (Calculated w.r.t. anhydrous sub. Nonaqueous)	: 99.00 - 101.00%

Risk And Safety Information

WGK	: --
RTECS	: --
Storage Temperature(°C)	: Store below 30°C

Transport Information

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods



**Animal Cell
Culture Tested**



Product Specification

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Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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