

**neoFroxx GmbH**

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## Specification

Product	tri-Sodium citrate dihydrate pure EP, USP (pharma grade)
Product number	LC-7981
Synonyms	Trisodium citrate, Sodium citrate dihydrate
Formula	$C_6H_5Na_3O_7 \cdot 2 H_2O$
Molecular weight	294.10 g/mol
CAS number	6132-04-3
Storage	below 25°C
Retest period (months)	60

We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP) 11.8 and the US Pharmacopoeia (USP) 48 (revised).

Parameter	Specification
Assay (USP)	99 - 100.5 %
Assay (EP)	99 - 101 %
Identity (USP, EP)	passes test
Appearance (EP)	white or almost white, crystalline powder or white or almost white, granular crystals, slightly deliquescent in moist air
Solubility (EP)	passes test
Appearance of solution (EP)	clear and colourless
Alkalinity (USP, EP)	passes test
Tartrate (USP)	passes test
Readily carbonisable substance (EP)	passes test
Chloride (EP)	$\leq 0.005 \%$
Oxalate ( $C_2O_4$ ) (EP)	$\leq 0.03 \%$
Sulfate (EP)	$\leq 0.015 \%$
Water (USP)	10 - 13 %
Water (EP)	11 - 13 %

Einhausen, 21.01.2026