



Material	27833.294
Material description	tri-Sodium citrate dihydrate
Grade	AnalaR NORMAPUR ACS/Reag. Ph.Eur.
CAS Number	6132-04-3
Molecular formula	C ₆ H ₅ Na ₃ O ₇ ·2H ₂ O
Molecular mass	294.10

Characteristics	Specifications
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Assay (calculated on anhydrous)	99.0 - 101.0 %
Acidity or alkalinity	Passes test Ph.Eur.
Appearance of solution	Passes test Ph.Eur.
Identification (Citrate)	Passes test Ph.Eur.
Identification (Na)	Passes test Ph.Eur.
Solution S	Passes test Ph.Eur.
Readily carbonisable substances	Passes test Ph.Eur.
Tartaric acid	Passes test
pH (25°C; 5 %)	7.5 - 9.0
Heavy metals (as Pb)	≤ 5 ppm
Insolubility in water	≤ 50 ppm
Oxalic acid	≤ 100 ppm
Total N (Nitrogen)	≤ 10 ppm
Water	11.0 - 13.0 %
Cl (Chloride)	≤ 10 ppm
NH ₃ (Ammonia)	≤ 30 ppm
PO ₄ (Phosphate)	≤ 20 ppm
SO ₄ (Sulphate)	≤ 40 ppm
As (Arsenic)	≤ 1 ppm
Ca (Calcium)	≤ 50 ppm
Cu (Copper)	≤ 5 ppm
Fe (Iron)	≤ 5 ppm
Li (Lithium)	≤ 5 ppm
Pb (Lead)	≤ 5 ppm
Conforms to ACS	Passes test
Conforms to Reag. Ph.Eur.	Passes test



Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Anja Vanhalle, Head of Laboratory - Haasrode
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