



Material	27833.237
Material description	tri-Sodium citrate dihydrate
Grade	AnalaR NORMAPUR ACS/Reag. Ph.Eur.
Lot	181104152
Expires end of	2023-Jun-13
CAS Number	6132-04-3
Molecular formula	C ₆ H ₅ Na ₃ O ₇ ·2H ₂ O
Molecular mass	294.10

Characteristics	Specifications	Measured values
Assay (calculated on anhydrous)	99.0 --> 101.0 %	100.0 %
Acidity or alkalinity	Passes test Ph.Eur.	Passes test Ph.Eur.
Appearance of solution	Passes test Ph.Eur.	Passes test Ph.Eur.
Identification (Citrate)	Passes test Ph.Eur.	Passes test Ph.Eur.
Identification (Na)	Passes test Ph.Eur.	Passes test Ph.Eur.
Solution S	Passes test Ph.Eur.	Passes test Ph.Eur.
Readily carbonisable substances	Passes test Ph.Eur.	Passes test Ph.Eur.
Tartaric acid	Passes test	Passes test
pH (25°C; 5 %)	7.5 --> 9.0	8.3
Heavy metals (as Pb)	Max. 5 ppm	2 ppm
Insolubility in water	Max. 50 ppm	Max. 50 ppm
Oxalic acid	Max. 100 ppm	Max. 100 ppm
Total N (Nitrogen)	Max. 10 ppm	Max. 10 ppm
Water	11.0 --> 13.0 %	12.2 %
Cl (Chloride)	Max. 10 ppm	Max. 10 ppm
NH ₃ (Ammonia)	Max. 30 ppm	Max. 30 ppm
PO ₄ (Phosphate)	Max. 20 ppm	Max. 20 ppm
SO ₄ (Sulphate)	Max. 40 ppm	Max. 40 ppm
As (Arsenic)	Max. 1 ppm	Max. 1 ppm
Ca (Calcium)	Max. 50 ppm	23 ppm
Cu (Copper)	Max. 5 ppm	1 ppm
Fe (Iron)	Max. 5 ppm	2 ppm
Li (Lithium)	Max. 5 ppm	Max. 5 ppm
Pb (Lead)	Max. 5 ppm	3 ppm
Conforms to ACS	Passes test	Passes test
Conforms to Reag. Ph.Eur.	Passes test	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.

Ellen Somers, Head of Laboratory - Haasrode
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