



Certificate of Analysis

1.06448.1000 tri-Sodium citrate dihydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Batch AM1738548

	Spec. Values		Batch Values	
Assay (perchloric acid titration)	99.0 - 101.0	%	99.9	%
Assay (Perchloric acid titration, calc. on anhydrous substance)	99.0 - 101.0	%	100.0	%
Identity	passes test		passes test	
Appearance of solution	passes test		passes test	
Insoluble matter	≤ 0.005	%	≤ 0.005	%
pH-value (5 %; water; 25 °C)	7.5 - 9.0		8.3	
Acidity or alkalinity	passes test		passes test	
Chloride (Cl)	≤ 0.001	%	≤ 0.001	%
Oxalate (C ₂ O ₄)	≤ 0.0300	%	≤ 0.0300	%
Phosphate (PO ₄)	≤ 0.002	%	≤ 0.002	%
Sulfate (SO ₄)	≤ 0.004	%	≤ 0.004	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (ACS)	≤ 0.0005	%	≤ 0.0005	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Ca (Calcium)	≤ 0.005	%	≤ 0.005	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
NH ₃ (Ammonia)	≤ 0.003	%	≤ 0.003	%
Readily carbonisable substance	passes test		passes test	
Water	11.0 - 13.0	%	12.4	%

Corresponds to ACS,ISO,Reag. Ph Eur

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Responsible laboratory manager quality control

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