



Certificate of Analysis

1.06267.0000 Sodium acetate trihydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Batch AM1919667

	Spec. Values		Batch Values	
Assay (perchloric acid titration)	99.0 - 101.0	%	100.0	%
Assay (perchloric acid titration, calculated on dried 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)	7.5 - 9.0		8.8	
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Phosphate (PO ₄)	≤ 0.0002	%	≤ 0.0002	%
Sulfate (SO ₄)	≤ 0.002	%	≤ 0.002	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Al (Aluminium)	≤ 0.0005	%	≤ 0.0005	%
As (Arsenic)	≤ 0.0002	%	≤ 0.0002	%
Ca (Calcium)	≤ 0.001	%	≤ 0.001	%
Cu (Copper)	≤ 0.0003	%	≤ 0.0003	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
K (Potassium)	≤ 0.005	%	≤ 0.005	%
Mg (Magnesium)	≤ 0.0005	%	≤ 0.0005	%
Pb (Lead)	≤ 0.0005	%	≤ 0.0005	%
Calcium and Magnesium (as Ca)	≤ 0.005	%	≤ 0.005	%
Substances reducing permanganate	passes test		passes test	
Reducing substances	≤ 0.005	%	≤ 0.005	%
Loss on drying (130 °C)	39.0 - 40.5	%	39.7	%
UV absorption (254 nm; 1 mol/l; 1 cm; water)	≤ 0.02		≤ 0.02	
UV absorption (280 nm; 1 mol/l; 1 cm; water)	≤ 0.01		≤ 0.01	
UV absorption (350 nm; 1 mol/l; 1 cm; water)	≤ 0.01		≤ 0.01	

Corresponds to ACS,ISO,Reag. Ph Eur

Date of release (DD.MM.YYYY) 08.08.2023
Minimum shelf life (DD.MM.YYYY) 31.08.2025
Retested Date (DD.MM.YYYY) 06.09.2024

Kristin Starke
Responsible laboratory manager quality control

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