

Certificate of Analysis

Material 20742.236

Material description Trichloroacetic acid

Grade AnalaR NORMAPUR ACS, Reag. Ph. Eur.

Lot 23B064107
Expires end of 2024-Nov-24
CAS Number 76-03-9
Molecular formula C2HCl3O2
Molecular mass 163.39

Characteristics	Specifications	Measured values	
Assay	≥ 99.5 %	99.8 %	
Clarity of solution	Passes test ACS	Passes test ACS	
IR Spectrum	Passes test	Passes test	
Substances coloured by H₂SO₄	Passes test	Passes test	
Melting point	≥ 57 °C	58 °C	
Heavy metals (as Pb)	≤ 20 ppm	≤ 20 ppm	
Ignition residue (SO ₄)	≤ 0.03 %	< 0.01 %	
Insolubility in water	≤ 50 ppm	≤ 50 ppm	
Cl (Chloride)	≤ 10 ppm	≤ 10 ppm	
NO₃ (Nitrate)	≤ 20 ppm	≤ 20 ppm	
PO ₄ (Phosphate)	≤ 5 ppm	≤ 5 ppm	
SO ₄ (Sulphate)	≤ 0.02 %	≤ 0.02 %	
Cu (Copper)	≤ 5 ppm	1 ppm	
Fe (Iron)	≤ 10 ppm	2 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.

Anja Vanhalle, Head of Laboratory - Haasrode VWR International bv; Geldenaaksebaan 464; BE-3001 Leuven; Belgium

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