



Material	20302.180
Material description	Ethylenediaminetetraacetic acid disodium salt dihydrate
Grade	AnalaR NORMAPUR Reag. Ph.Eur., ACS Analytical Reagent
CAS Number	6381-92-6
Molecular formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
Molecular mass	372.24

Characteristics	Specifications
Assay	99.0 - 101.0 %
pH (25°C; 5 %)	4.0 - 5.5
Identification (IR)	Passes test
Identification B	Passes test Ph.Eur.
Identification (Na)	Passes test
Solution S	Passes test Ph.Eur.
Appearance of solution S	Passes test Ph.Eur.
Heavy metals (as Pb)	≤ 5 ppm
Insolubility in water	≤ 50 ppm
Loss on drying (150°C)	9.0 - 10.0 %
Nitrilotriacetic acid	≤ 0.05 %
Cl (Chloride)	≤ 40 ppm
CN (Cyanide)	≤ 10 ppm
SO ₄ (Sulphate)	≤ 0.02 %
Cu (Copper)	≤ 10 ppm
Fe (Iron)	≤ 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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