



Material	20066.330
Material description	Acetone
Grade	AnalaR NORMAPUR Reag. Ph.Eur., Reag. USP, ACS
Lot	21A224018
Expires end of	2026-Jan-20
CAS Number	67-64-1
Molecular formula	CH ₃ COCH ₃
Molecular mass	58.08

Characteristics	Specifications	Measured values
Assay (on anhydrous substance)	≥ 99.8 %	100.0 %
Appearance of solution	Passes test Ph.Eur.	Passes test Ph.Eur.
Aqueous solution	Passes test	Passes test
Identification B	Passes test Ph.Eur.	Passes test Ph.Eur.
Identification C	Passes test Ph.Eur.	Passes test Ph.Eur.
Insolubility in water	Passes test	Passes test
IR Spectrum	Passes test	Passes test
Related substances	Passes test Ph.Eur.	Passes test Ph.Eur.
Acidity	≤ 0.0003 meq/g	≤ 0.0003 meq/g
Alkalinity	≤ 0.0003 meq/g	0.0002 meq/g
Boiling point	55.3 - 56.9 °C	55.6 °C
Colouration	≤ 10 APHA	≤ 10 APHA
Density (20/4)	0.790 - 0.792	0.791
Density (20/20)	0.790 - 0.793	0.792
Aldehydes (as HCHO)	≤ 10 ppm	≤ 10 ppm
Ethanol	≤ 100 ppm	≤ 100 ppm
Evaporation residue	≤ 5 ppm	4 ppm
Methanol	≤ 0.05 %	≤ 0.05 %
2-Propanol	≤ 100 ppm	≤ 100 ppm
Substances reducing KMnO ₄ (as O)	≤ 2 ppm	≤ 2 ppm
Water	≤ 0.2 %	≤ 0.2 %
PO ₄ (Phosphate)	≤ 100 ppb	≤ 100 ppb
Al (Aluminium)	≤ 0.1 ppm	≤ 0.1 ppm
B (Boron)	≤ 0.02 ppm	≤ 0.02 ppm
Ba (Barium)	≤ 0.05 ppm	≤ 0.05 ppm
Ca (Calcium)	≤ 0.5 ppm	≤ 0.5 ppm
Cd (Cadmium)	≤ 0.01 ppm	≤ 0.01 ppm
Co (Cobalt)	≤ 0.01 ppm	≤ 0.01 ppm

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Characteristics	Specifications	Measured values
Cr (Chromium)	≤ 0.02 ppm	≤ 0.02 ppm
Cu (Copper)	≤ 0.01 ppm	≤ 0.01 ppm
Fe (Iron)	≤ 0.05 ppm	≤ 0.05 ppm
K (Potassium)	≤ 0.1 ppm	≤ 0.1 ppm
Mg (Magnesium)	≤ 0.05 ppm	≤ 0.05 ppm
Mn (Manganese)	≤ 0.01 ppm	≤ 0.01 ppm
Na (Sodium)	≤ 0.5 ppm	≤ 0.5 ppm
Ni (Nickel)	≤ 0.01 ppm	≤ 0.01 ppm
Pb (Lead)	≤ 0.01 ppm	≤ 0.01 ppm
Sn (Tin)	≤ 0.1 ppm	≤ 0.1 ppm
Sr (Strontium)	≤ 0.02 ppm	≤ 0.02 ppm
Zn (Zinc)	≤ 0.01 ppm	≤ 0.01 ppm
Conforms to ACS	Passes test	Passes test
Conforms to Reag. Ph.Eur.	Passes test	Passes test
Conforms to Reag. USP	Passes test	Passes test

Signature

We certify that this batch conforms to the specifications listed above.

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