

Material	20066.365
Material description	Acetone
Grade	AnalaR NORMAPUR Reag. Ph.Eur., Reag. USP, ACS
Lot	18J054014
Expires end of	2023-Oct-03
CAS Number	67-64-1
Molecular formula	CH ₃ COCH ₃
Molecular mass	58.08

Characteristics	Specifications	Measured values
Assay (on anhydrous substance)	Min. 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	Max. 0.0003 meq/g	Max. 0.0003 meq/g
Alkalinity	Max. 0.0003 meq/g	Max. 0.0003 meq/g
Boiling point	55.3 --> 56.9 °C	56.0 °C
Colouration	Max. 10 APHA	Max. 10 APHA
Density (20/4)	0.790 --> 0.792	0.791
Density (20/20)	0.790 --> 0.793	0.792
Aldehydes (as HCHO)	Max. 10 ppm	Max. 10 ppm
Ethanol	Max. 100 ppm	Max. 100 ppm
Evaporation residue	Max. 5 ppm	4 ppm
Methanol	Max. 0.05 %	Max. 0.05 %
2-Propanol	Max. 100 ppm	Max. 100 ppm
Substances reducing KMnO ₄ (as O)	Max. 2 ppm	Max. 2 ppm
Water	Max. 0.2 %	Max. 0.2 %
PO ₄ (Phosphate)	Max. 100 ppb	Max. 100 ppb
Al (Aluminium)	Max. 0.1 ppm	Max. 0.1 ppm
B (Boron)	Max. 0.02 ppm	Max. 0.02 ppm
Ba (Barium)	Max. 0.05 ppm	Max. 0.05 ppm
Ca (Calcium)	Max. 0.5 ppm	Max. 0.5 ppm
Cd (Cadmium)	Max. 0.01 ppm	Max. 0.01 ppm
Co (Cobalt)	Max. 0.01 ppm	Max. 0.01 ppm

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Characteristics	Specifications	Measured values
Cr (Chromium)	Max. 0.02 ppm	Max. 0.02 ppm
Cu (Copper)	Max. 0.01 ppm	Max. 0.01 ppm
Fe (Iron)	Max. 0.05 ppm	Max. 0.05 ppm
K (Potassium)	Max. 0.1 ppm	Max. 0.1 ppm
Mg (Magnesium)	Max. 0.05 ppm	Max. 0.05 ppm
Mn (Manganese)	Max. 0.01 ppm	Max. 0.01 ppm
Na (Sodium)	Max. 0.5 ppm	Max. 0.5 ppm
Ni (Nickel)	Max. 0.01 ppm	Max. 0.01 ppm
Pb (Lead)	Max. 0.01 ppm	Max. 0.01 ppm
Sn (Tin)	Max. 0.1 ppm	Max. 0.1 ppm
Sr (Strontium)	Max. 0.02 ppm	Max. 0.02 ppm
Zn (Zinc)	Max. 0.01 ppm	Max. 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.

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

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