Specification

1.00014.4000 Acetone for analysis EMSURE® ACS,ISO,Reag. Ph Eur

	Specification	
Assay (GC)	≥ 99.8	%
Identity (IR)	conforms	
Identity B (Ph Eur)	conforms	
Identity C (Ph Eur)	conforms	
Appearance of solution	conforms	
Solubility in water	conforms	
Water-insoluble substances	conforms	
Color	≤ 10	Hazen
Density (d 20 °C/20 °C)	0.790 - 0.793	
Acidity or alkalinity	conforms	
Titrable acid	≤ 0.0002	meq/g
Titrable base	≤ 0.0002	meq/g
Related substances (GC) (Methanol (Impurity A))	≤ 0.05	%
Related substances (GC) (2-Propanol (Impurity B))	≤ 0.05	%
Related substances (GC) (Benzene (Impurity C))	≤ 2	ppm
Related substances (GC) (other impurity)	≤ 0.05	%
Cyclohexane (residual solvent) (GC)	≤ 0.01	%
Diacetone (GC)	≤ 0.02	%
Ethanol (GC)	≤ 0.01	%
Aldehydes (as formaldehyde)	≤ 0.001	%
Substances reducing potassium permanganate (as O)	≤ 0.00025	%
Reducing substances	conforms	
Chloride (Cl)	≤ 100	ppb
Nitrate (NO_3)	≤ 100	ppb
Phosphate (PO_4)	≤ 100	ppb
Sulfate (SO_4)	≤ 100	ppb
Ag (Silver)	≤ 0.000002	%
Al (Aluminium)	≤ 0.00005	%
As (Arsenic)	≤ 0.000002	%
Au (Gold)	≤ 0.000002	%
B (Boron)	≤ 0.000002	%
Ba (Barium)	≤ 0.00001	%
Be (Beryllium)	≤ 0.000002	%
Bi (Bismuth)	≤ 0.000002	%
Ca (Calcium)	≤ 0.00005	%
Cd (Cadmium)	≤ 0.000005	%
Co (Cobalt)	≤ 0.000002	%
Cr (Chromium)	≤ 0.000002	%

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Cu (Copper)	≤ 0.000002	%
Fe (Iron)	≤ 0.00001	%
Ga (Gallium)	≤ 0.000002	%
Ge (Germanium)	≤ 0.000002	%
In (Indium)	≤ 0.000002	%
Li (Lithium)	≤ 0.000005	%
Mg (Magnesium)	≤ 0.00001	%
Mn (Manganese)	≤ 0.000002	%
Mo (Molybdenum)	≤ 0.000002	%
Ni (Nickel)	≤ 0.000002	%
Pb (Lead)	≤ 0.00001	%
Sb (Antimony)	≤ 0.000002	%
Sn (Tin)	≤ 0.00001	%
Ti (Titanium)	≤ 0.000002	%
Tl (Thallium)	≤ 0.000002	%
V (Vanadium)	≤ 0.000002	%
Zn (Zinc)	≤ 0.00001	%
Zr (Zirconium)	≤ 0.000002	%
Evaporation residue	≤ 0.0005	%
Water	≤ 0.05	%

Jeannette David
Responsible laboratory manager quality control

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