



Certificate of Analysis

1.06146.2500 Isobutyl methyl ketone for extraction analysis EMSURE® ACS, Reag. Ph Eur
Batch K54176546

	Spec. Values		Batch Values	
Purity (GC)	≥ 99.0	%	99.8	%
Identity (IR)	conforms		conforms	
Appearance	clear		clear	
Color	≤ 10	Hazen	< 5	Hazen
Titration acid	≤ 0.002	meq/g	< 0.001	meq/g
Alkalinity	≤ 0.001	meq/g	< 0.001	meq/g
Density (d 20 °C/20 °C)	0.799 - 0.805		0.801	
Boiling point	114 - 117	°C	116	°C
Distilling range	≤ 4	°C	≤ 4	°C
Al (Aluminium)	≤ 0.00005	%	≤ 0.00005	%
B (Boron)	≤ 0.000002	%	≤ 0.000002	%
Ba (Barium)	≤ 0.00001	%	≤ 0.00001	%
Ca (Calcium)	≤ 0.00005	%	≤ 0.00005	%
Cd (Cadmium)	≤ 0.000005	%	≤ 0.000005	%
Co (Cobalt)	≤ 0.000002	%	≤ 0.000002	%
Cr (Chromium)	≤ 0.000002	%	≤ 0.000002	%
Cu (Copper)	≤ 0.000002	%	≤ 0.000002	%
Fe (Iron)	≤ 0.00001	%	≤ 0.00001	%
Mg (Magnesium)	≤ 0.00001	%	≤ 0.00001	%
Mn (Manganese)	≤ 0.000002	%	≤ 0.000002	%
Ni (Nickel)	≤ 0.000002	%	≤ 0.000002	%
Pb (Lead)	≤ 0.00001	%	≤ 0.00001	%
Sn (Tin)	≤ 0.00001	%	≤ 0.00001	%
Zn (Zinc)	≤ 0.00001	%	≤ 0.00001	%
Evaporation residue	≤ 0.001	%	< 0.001	%
Water	≤ 0.1	%	< 0.1	%

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Minimum shelf life (DD.MM.YYYY) 31.03.2027

Jeannette David
Responsible laboratory manager quality control

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