



Certificate of Analysis

1.04379.0000 n-Heptane for analysis EMSURE® Reag. Ph Eur
Batch K56257479

	Spec. Values		Batch Values	
Purity (GC)	≥ 99	%	99.5	%
Identity (IR)	conforms		conforms	
Color	≤ 10	Hazen	< 5	Hazen
Free acid (as CH ₃ COOH)	≤ 0.0005	%	0.0002	%
Density (d 20 °C/20 °C)	0.683 - 0.686		0.685	
Refractive index (n 20/D)	1.387 - 1.388		1.388	
Boiling range (97°C-98°C)	≥ 95	% (v/v)	97	% (v/v)
Aromatic hydrocarbons (as C ₆ H ₆)	≤ 0.1	%	< 0.1	%
Sulfur compounds (as S)	≤ 0.005	%	≤ 0.005	%
Readily carbonizable substances	conforms		conforms	
Al (Aluminium)	≤ 0.00001	%	≤ 0.00001	%
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	≤ 0.01	%	< 0.01	%

Ph Eur-reagent

Date of release (DD.MM.YYYY) 29.10.2024
Minimum shelf life (DD.MM.YYYY) 31.10.2029

Jeannette David
Responsible laboratory manager quality control

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