

PRODUCT IDENTITY

PRODUCT NAME	n-Heptane	PRODUCT NUMBER	N432089
Grades & Purity	Ph.Eur., Suitable for Analysis, ISO, Premium pure	VERSION	3
CAS NUMBER	142-82-5	FORMULA	C ₇ H ₁₆
FORMULA WEIGHT	100.2g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Purity(GC)	99-100 (%)
Appearance(N432089)	Colorless liquid
free acid (as CH ₃ COOH)	0-0.0005 (%)
Density (d ₂₀ °C/20°C)	0.683-0.686
Refractive index n ₂₀ /D	1.387-1.388
Aromatic hydrocarbons (as C ₆ H ₆)	0-0.1 (%)
SulfurCompounds(as S)	0-0.005 (%)
Readily carbonizable substance	pass
Aluminium(Al)	0-0.1 (ppm)
Boron(B)	0-0.02 (ppm)

PARAMETER	SPECIFICATION / LIMIT
Barium(Ba)	0-0.1 (ppm)
Calcium(Ca)	0-0.5 (ppm)
Cadmium(Cd)	0-0.05 (ppm)
Cobalt (Co)	0-0.02 (ppm)
Chromium(Cr)	0-0.02 (ppm)
Copper(Cu)	0-0.02 (ppm)
Iron(Fe)	0-0.1 (ppm)
Magnesium (Mg)	0-0.1 (ppm)
Manganese(Mn)	0-0.02 (ppm)
Nickel(Ni)	0-0.02 (ppm)
Lead(Pb)	0-0.1 (ppm)
Sn (Tin)	0-0.1 (ppm)
Zinc(Zn)	0-0.1 (ppm)
Evaporation Residue	0-0.001 (%)
Water by Karl Fischer	0-0.01 (%)
Infrared spectrum	conforms to structure