

Technical Datasheet

Article No. 1149

n-Pentane for trace analysis
(min. 99.0 %)

For laboratory use.

Parameter	Value
Appearance	Clear, colourless liquid
Density	(20 °C) 0.621 – 0.631 g/ml
Molar mass	72.15 g/mol
CAS number	109-66-0
Assay (GC, on anhydrous basis)	min. 99.0 %
Acidity (as CH ₃ COOH)	max. 0.002 %
Colour (APHA)	max. 5
Fluorescence (as quinine) at 254 nm	max. 1 ppb
Fluorescence (as quinine) at 365 nm	max. 1 ppb
GC-FID: Peak (2-octanol)	max. 10 ng/ml
GC-ECD: Peak (epoxide)	max. 10 pg/ml
PAH test	complies
Residue on evaporation	max. 0.0001 % w/w
Water (KF)	max. 0.005 % w/w
GC-ECD: Peak (dioxine, furane, PCB's)	max. 5 pg/ml
GC-ECD: Peak (lindane)	max. 2 pg/ml
GC-NPD: Peak (parathione)	max. 5 pg/ml
Hydrocarbons between C ₁₀ and C ₄₀	max. 0.05 mg/l
Transmission at 200 nm	min. 50 %