

## HE0125 n-Heptane, 99%, EssentQ®



assay (G.C.) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,683 - 0,685  
 acidity . . . . . max. 0,001 meq/g  
 iron (Fe) . . . . . max. 0,5 ppm  
 copper (Cu) . . . . . max. 0,2 ppm  
 lead (Pb) . . . . . max. 0,2 ppm  
 nickel (Ni) . . . . . max. 0,2 ppm

sulfur compounds (as S) . . . . . max. 0,0005 %  
 substances darkened by H<sub>2</sub>SO<sub>4</sub> . . . . . passes test  
 residue on evaporation . . . . . max. 0,001 %  
 water (K.F.) . . . . . max. 0,02 %

ART. NO.	VOLUME	CONTAINER
HE01251000	1 l	0
HE01252500	2,5 l	0
HE0125005L	5 l	0
HE0125025A	25 l	0
HE0125200L	200 l	0

## HE0127 n-Heptane, 99%, ExpertQ®, for analysis, Reag. Ph Eur



assay (G.C.) . . . . . min. 99,2 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/20°) . . . . . 0,683 - 0,686  
 boiling range (min. 95 %) . . . . . 97 - 98 °C  
 colour (Hazen) . . . . . max. 10  
 refractive index n<sub>20</sub>/D . . . . . 1,387 - 1,388  
 free acid (as CH<sub>3</sub>COOH) . . . . . max. 0,0005 %  
 aluminium (Al) . . . . . max. 0,1 ppm  
 barium (Ba) . . . . . max. 0,1 ppm  
 boron (B) . . . . . max. 0,02 ppm  
 cadmium (Cd) . . . . . max. 0,05 ppm  
 calcium (Ca) . . . . . max. 0,5 ppm  
 chromium (Cr) . . . . . max. 0,02 ppm  
 cobalt (Co) . . . . . max. 0,02 ppm

copper (Cu) . . . . . max. 0,02 ppm  
 iron (Fe) . . . . . max. 0,1 ppm  
 lead (Pb) . . . . . max. 0,1 ppm  
 magnesium (Mg) . . . . . max. 0,1 ppm  
 manganese (Mn) . . . . . max. 0,02 ppm  
 nickel (Ni) . . . . . max. 0,02 ppm  
 tin (Sn) . . . . . max. 0,1 ppm  
 zinc (Zn) . . . . . max. 0,1 ppm  
 aromatic hydrocarbons (as C<sub>6</sub>H<sub>6</sub>) . . . . . max. 0,1 %  
 sulfur compounds (as S) . . . . . max. 0,005 %  
 substances darkened by H<sub>2</sub>SO<sub>4</sub> . . . . . passes test  
 residue on evaporation . . . . . max. 0,0005 %  
 water (K.F.) . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
HE01271000	1 l	0
HE01272500	2,5 l	0
HE0127005L	5 l	0
HE0127007E	7 l	0
HE0127025A	25 l	0
HE0127025S	25 l	0
HE0127030S	30 l	0
HE0127200L	200 l	0

## HE0131 n-Heptane, 99%, HPLC grade



assay (G.C.) . . . . . min. 99,3 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,683 - 0,685  
 acidity . . . . . max. 0,0002 meq/g  
 alkalinity . . . . . max. 0,0002 meq/g  
 residue on evaporation . . . . . max. 0,0002 %  
 water (K.F.) . . . . . max. 0,01 %

min. transmission/max. absorbance in a 1,0 cm cell at wavelength  
 T(%) A (AU)  
 200 nm . . . . . 20 % 0,699 AU  
 210 nm . . . . . 50 % 0,301 AU  
 227 nm . . . . . 90 % 0,046 AU  
 Microfiltered through membranes of pore diameter 0,22 µm

ART. NO.	VOLUME	CONTAINER
HE01311000	1 l	0
HE01312500	2,5 l	0
HE01314000	4 l	0
HE0131007E	7 l	0
HE0131025S	25 l	0
HE0131185E	185 l	0

## HE0118 n-Heptane, GC ultra-trace analysis grade



assay (G.C.) . . . . . min. 99,3 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,683 - 0,685  
 residue on evaporation . . . . . max. 0,0001 %  
 water (K.F.) . . . . . max. 0,01 %

Suitable for organohalogenated pesticide and dioxins, furans and PCBs residue analysis ECD, from 1,2,4-trichlorobenzene to decachlorobiphenyl, no peaks are obtained greater than 2 pg/ml as lindane. No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl. Suitable for highly volatile halogenated hydrocarbons trace analysis ECD, from dichloromethane to 1,2,4-trichlorobenzene, no peaks are obtained greater than 1 ng/ml as tetrachloromethane.  
 Suitable for pesticide and polycyclic aromatic hydrocarbons residue analysis FID, from 1-octanol to 1-tetradecanol, no peaks are obtained greater than 2 ng/ml as 1-tetradecanol. No peaks are obtained in vicinity of pyrene.

ART. NO.	VOLUME	CONTAINER
HE01181000	1 l	0
HE01182500	2,5 l	0

## HE0138 Heptane, standard substance for GC



assay . . . . . 99,0 %  
 over ramp . . . . . 40°C, 5°C/min 120°C, 30°C/min 200 °C  
 identity . . . . . IR

ART. NO.	VOLUME	CONTAINER
HE01380005	5ml	0

## HE0135 n-Heptane, 99%, ASTM



assay (G.C.) . . . . . min. 99,75 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,683 - 0,685  
 isooctane (G.C.) . . . . . max. 0,1 %  
 lead (Pb) . . . . . max. 0,002 g/gal

ART. NO.	VOLUME	CONTAINER
HE01352500	2,5 l	0
HE0135025A	25 l	0

ART. NO.	VOLUME	CONTAINER
HE0135185E	185 l	0
HE0135200L	200 l	0