

## HEXANE, FRACTION FROM PETROLEUM

- $C_6H_{14}$
- $M = 86,18 \text{ g/mol}$
- CAS [92112-69-1]
- EINECS-No.: 295-570-2
- Density:  $0,67 \text{ g/cm}^3$
- Solub. in water: (20 °C): insoluble
- Boiling point: 65 - 70 °C
- Flash pt. -22 °C

- Vapour pressure: (20 °C) 160 hPa
- Refraction index: (n 20 °C/D) 1,380
- EC-Index-No.: 601-037-00-0
- ADR: 3 F1 II UN 1208
- IMDG: 3 II UN 1208
- IATA/ICAO: 3 II UN 1208
- GHS-signal word: Danger

- GHS-H sentences: H224 - H304 - H361 - H373 - H315 - H336 - H411
- GHS-P sentences: P210 - P241 - P260 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 2901 10 00 00
- Applications: analytical chemistry, for spectroscopy, manufacture of dyes.
- Appearance: Colourless clear liquid

### HE0219 Hexane, fraction from petroleum, EssentQ®



boiling range ..... 65 - 70 °C  
residue on evaporation ..... max. 0,003 %  
water (K.F.) ..... max. 0,02 %

ART. NO.	VOLUME	CONTAINER
HE02191000	1 l	
HE02192500	2,5 l	
HE0219005L	5 l	
HE0219007E	7 l	

ART. NO.	VOLUME	CONTAINER
HE0219025L	25 l	
HE0219025S	25 l	
HE0219025P	25 l	
HE0219030S	30 l	

### HE0220 Hexane, fraction from petroleum, EssentQ®



boiling range ..... 65 - 70 °C  
acidity ..... max. 0,0005 meq/g  
copper (Cu) ..... max. 0,2 ppm  
iron (Fe) ..... max. 0,5 ppm  
lead (Pb) ..... max. 0,2 ppm

nickel (Ni) ..... max. 0,2 ppm  
sulfur compounds (as S) ..... max. 0,005 %  
residue on evaporation ..... max. 0,001 %  
water (K.F.) ..... max. 0,02 %

ART. NO.	VOLUME	CONTAINER
HE0220025A	25 l	
HE0220030S	30 l	

### HE0222 Hexane, fraction from petroleum, ExpertQ®, for analysis



boiling range ..... 65 - 70 °C  
colour (Hazen) ..... max. 10  
acidity ..... max. 0,0002 meq/g  
aluminium (Al) ..... max. 0,5 ppm  
barium (Ba) ..... max. 0,01 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  $C_6H_6$ ) ..... max. 0,01 %  
sulfur compounds (as S) ..... max. 0,005 %  
substances darkened by  $H_2SO_4$  ..... passes test  
residue on evaporation ..... max. 0,0005 %  
water (K.F.) ..... max. 0,01 %

ART. NO.	VOLUME	CONTAINER
HE02221000	1 l	
HE02222500	2,5 l	
HE0222005L	5 l	
HE0222007E	7 l	
HE0222025S	25 l	
HE0222025A	25 l	

### HE0221 Hexane, fraction from petroleum, Multisolvant® HPLC grade ACS



boiling range ..... 65 - 70 °C  
appearance ..... clear  
colour (Hazen) ..... max. 10  
acidity ..... max. 0,0002 meq/g  
aluminium (Al) ..... max. 0,1 ppm  
barium (Ba) ..... max. 0,01 ppm  
boron (B) ..... max. 0,02 ppm  
cadmium (Cd) ..... max. 0,01 ppm  
calcium (Ca) ..... max. 0,3 ppm  
chromium (Cr) ..... max. 0,02 ppm  
cobalt (Co) ..... max. 0,02 ppm  
copper (Cu) ..... max. 0,02 ppm  
iron (Fe) ..... max. 0,02 ppm  
lead (Pb) ..... max. 0,1 ppm  
magnesium (Mg) ..... max. 0,1 ppm  
manganese (Mn) ..... max. 0,01 ppm  
nickel (Ni) ..... max. 0,02 ppm

tin (Sn) ..... max. 0,1 ppm  
zinc (Zn) ..... max. 0,01 ppm  
aromatic hydrocarbons (as  $C_6H_6$ ) ..... max. 0,01 %  
sulfur compounds (as S) ..... max. 0,005 %  
substances darkened by  $H_2SO_4$  ..... passes test  
residue on evaporation ..... max. 0,0002 %  
water (K.F.) ..... max. 0,01 %  
liquid chromatography suitability  
absorbance ..... passes test  
min. transmission/max. absorbance in a 1,0 cm cell at  
wavelength T(%) A (AU)  
200 nm ..... 10 % 1,000 AU  
210 nm ..... 30 % 0,523 AU  
230 nm ..... 90 % 0,046 AU  
254 nm ..... 99 % 0,004 AU  
Microfiltered through membranes of pore diameter  
0,22 µm

ART. NO.	VOLUME	CONTAINER
HE02211000	1 l	
HE02212500	2,5 l	
HE0221007E	7 l	
HE0221025S	25 l	
HE0221030S	30 l	

### HE0223 Hexane, fraction from petroleum, for GC residue analysis



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 3 pg/ml as lindane. No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl.

ART. NO.	VOLUME	CONTAINER
HE02232500	2,5 l	