

CL0119 1-Chlorobutane, ExpertQ®, for analysis



assay (G.C.) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,885 - 0,887  
 colour (Hazen) . . . . . max. 10  
 acidity . . . . . max. 0,0005 meq/g  
 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  
 zinc (Zn) . . . . . max. 0,1 ppm  
 sulfur compounds (as S) . . . . . max. 0,002 %  
 residue on evaporation . . . . . max. 0,001 %  
 water (K.F.) . . . . . max. 0,03 %

| ART. NO.   | VOLUME | CONTAINER |
|------------|--------|-----------|
| CL01191000 | 1 l    | 0         |
| CL0119025A | 25 l   | 0         |

CL0120 1-Chlorobutane, HPLC grade

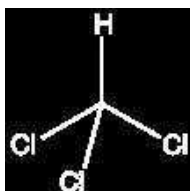


assay (G.C.) . . . . . min. 99,8 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 0,885 - 0,887  
 acidity . . . . . max. 0,0002 meq/g  
 alkalinity . . . . . max. 0,0002 meq/g  
 residue on evaporation . . . . . max. 0,0001 %  
 water (K.F.) . . . . . max. 0,03 %

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

| ART. NO.   | VOLUME | CONTAINER |
|------------|--------|-----------|
| CL01201000 | 1 l    | 0         |
| CL01202500 | 2,5 l  | 0         |

## CHLOROFORM



- Synonyms: Trichloromethane, Formyl trichloride
- CHCl<sub>3</sub>
- M = 119,38 g/mol
- CAS [67-66-3]
- EINECS-No.: 200-663-8
- Density: 1,47 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 8 g/l
- Melting point: -63 °C
- Boiling point: 61 °C
- Ignition temp.: 982 °C
- Vapour pressure: (20° C) 213 hPa
- Dielectric const.: (20 °C) 4,8
- LD 50 (oral, rat): 908 mg/kg
- EC-Index-No.: 602-006-00-4
- ADR: 6.1 T1 III UN 1888
- IMDG: 6.1 III UN 1888
- IATA/ICAO: 6.1 III UN 1888
- GHS-signal word: Danger
- GHS-H sentences: H331 - H372 - H351 - H361d - H302 - H315 - H319
- GHS-P sentences: P260 - P261 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2903 13 00 00
- Applications: solvents, analytical chemistry, in the rubber industry.

CL0200 Chloroform, EssentQ®, stabilized with ethanol



assay (G.C.) . . . . . 99,0 - 99,6 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/20°) . . . . . 1,477 - 1,487  
 ethanol (G.C.) . . . . . 0,4 - 1,0 %  
 acidity or alkalinity . . . . . passes test  
 free chlorine (as Cl) . . . . . passes test  
 chlorides (Cl) . . . . . max. 0,0002 %  
 copper (Cu) . . . . . max. 0,2 ppm

iron (Fe) . . . . . max. 0,2 ppm  
 lead (Pb) . . . . . max. 0,2 ppm  
 nickel (Ni) . . . . . max. 0,2 ppm  
 aldehydes, ketones . . . . . passes test  
 carbon tetrachloride (G.C.) . . . . . max. 0,01 %  
 residue on evaporation . . . . . max. 0,001 %  
 water (K.F.) . . . . . max. 0,05 %

| ART. NO.   | VOLUME | CONTAINER |
|------------|--------|-----------|
| CL02001000 | 1 l    | 0         |
| CL02002500 | 2,5 l  | 0         |
| CL0200005P | 5 l    | 0         |
| CL0200025A | 25 l   | 0         |
| CL0200025P | 25 l   | 0         |

CL0210 Chloroform, EssentQ®, stabilized with 150 ppm of amylene



assay (G.C.) . . . . . min. 99,9 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 1,487 - 1,490  
 acidity or alkalinity . . . . . passes test  
 free chlorine (as Cl) . . . . . passes test  
 aldehydes, ketones . . . . . passes test  
 amylene (G.C.) . . . . . approx. 150 ppm

chlorides (Cl) . . . . . max. 0,0001 %  
 copper (Cu) . . . . . max. 0,2 ppm  
 iron (Fe) . . . . . max. 0,2 ppm  
 lead (Pb) . . . . . max. 0,2 ppm  
 nickel (Ni) . . . . . max. 0,2 ppm  
 residue on evaporation . . . . . max. 0,001 %  
 water (K.F.) . . . . . max. 0,05 %

| ART. NO.   | VOLUME | CONTAINER |
|------------|--------|-----------|
| CL02102500 | 2,5 l  | 0         |