

CL0110 Chlorobenzene, EssentQ®



assay (G.C.) min. 99,5 %
 identity (IR-spectrum) passes test
 density (20°/4°) 1,105 - 1,107
 acidity max. 0,01 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

benzene (G.C.) max. 0,05 %
 total dichlorobenzenes (G.C.) max. 0,01 %
 total chlorotoluenes (G.C.) max. 0,05 %
 sulphur compounds (as CS₂) max. 0,001 %
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,005 %
 water (K.F.) max. 0,2 %

ART. NO.	VOLUME	CONTAINER
CL01101000	1 l	0
CL01102500	2,5 l	0
CL0110005P	5 l	0

CL0111 Chlorobenzene, ExpertQ®, for analysis, ACS



assay (G.C.) min. 99,5 %
 identity (IR-spectrum) passes test
 density (20°/4°) 1,105 - 1,107
 colour (Hazen) max. 10
 acidity max. 0,004 meq/g
 cadmium (Cd) max. 0,05 ppm
 calcium (Ca) max. 0,5 ppm
 chromium (Cr) 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. 0,02 ppm
 nickel (Ni) max. 0,02 ppm
 zinc (Zn) max. 0,1 ppm
 benzene (G.C.) max. 0,01 %
 total dichlorobenzenes (G.C.) max. 0,01 %
 total chlorotoluenes (G.C.) max. 0,05 %
 sulphur compounds (as CS₂) max. 0,0003 %
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,0005 %
 water (K.F.) max. 0,02 %

ART. NO.	VOLUME	CONTAINER
CL01111000	1 l	0
CL01112500	2,5 l	0

CL0113 Chlorobenzene, standard substance for GC

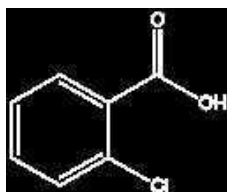


assay 99,9%
 over ramp 40°C, 5°C/min 120°C, 30°C/min 200 °C
 identity IR

ART. NO.	VOLUME	CONTAINER
CL01130005	5 ml	0

2-CHLOROBENZOIC ACID

AC0765 2-Chlorobenzoic acid, EssentQ®



- Synonyms: o-Chlorobenzoic acid
- C₇H₅ClO₂
- M = 156,57 g/mol
- CAS [118-91-2]
- EINECS-No.: 204-285-4
- Solub. in water: (20 °C): 21 g/l
- Melting point: 139 - 142 °C
- Boiling point: 284 - 286 °C
- Flash pt. 173 °C
- Ignition temp.: 530 °C
- LD 50 (oral, rat): 2465 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319
- GHS-P sentences: P280 - P305 + P351 + P338 - P321 - P362 - P332 + P313 - P337 + P313
- Tariff number: 2916 39 00 90
- Applications: synthesis of organic products.

assay (acidimetric) min. 99 %
 identity (IR-spectrum) passes test
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 5 ppm
 4-chlorobenzoic acid max. 0,3 %
 residue on ignition max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AC07650250	250 g	0

1-CHLOROBUTANE



- Synonyms: n-Butyl chloride, n-Propylcarbinyl chloride
- C₄H₉Cl
- M = 92,57 g/mol
- CAS [109-69-3]
- EINECS-No.: 203-696-6
- Density: 0,88 g/cm³
- Solub. in water: (20 °C): ~ 0,5 g/l
- Melting point: -123 °C
- Boiling point: 78 °C
- Flash pt. ~ -17 °C
- Ignition temp.: ~ 280 °C
- Vapour pressure: (20 °C) ~ 110 hPa

- LD 50 (oral, rat): 2670 mg/kg
- EC-Index-No.: 602-059-00-3
- ADR: 3 F1 II UN 1127
- IMDG: 3 II UN 1127
- IATA/ICAO: 3 II UN 1127
- GHS-signal word: Danger
- GHS-H sentences: H225
- GHS-P sentences: P210 - P241 - P280 - P240 - P303 + P361 + P353 - P501a
- Tariff number: 2903 19 80 00
- Applications: analytical chemistry, synthesis of organic products.