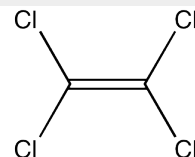


Tetrachloroethene, Multisolvant® HPLC grade UV-VIS

Identification

C₂Cl₄
M = 165,82 g/mol
CAS [127-18-4]
EC number: 204-825-9
Taric code: 2903 23 00



Synonyms

Perchloroethylene, Tetrachloroethylene, Ethylene tetrachloride

Applications

analytical chemistry, for spectroscopy, chromatography, laboratory reagent, solvents.

Specifications

assay (G.C.).....min. 99,9 %
identity (IR-spectrum).....passes test
density (20°/4°).....1,621 - 1,623
appearance.....clear
colour (Hazen).....max. 10
acidity.....max. 0,0005 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
residue on evaporation.....max. 0,0003 %
water (K.F.).....max. 0,01 %

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
290 nm.....10 % 1,000 AU
295 nm.....50 % 0,301 AU
300 nm.....80 % 0,097 AU
305 nm.....85 % 0,071 AU
350 nm.....89 % 0,051 AU

Microfiltered through membranes of pore diameter 0,22 µm

Physical data

- Density: 1,62 g/cm³
- Solub. in water: (20 °C): 0,2 g/l
- Melting point: -22 °C
- Boiling point: 121 °C
- Vapour pressure: (20 °C) 18 hPa
- Refraction index: (n 20 °C/D) 1,5053
- Viscosity: (20 °C) 0,89 mPas
- Dielectric const.: (20 °C) 2,4
- Saturation conc.: (20 °C) 126 g/m³

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H411: Toxic to aquatic life with long lasting effects.



Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T1 III • UN 1897 • TETRACHLOROETHYLENE
- IMDG: 6.1 III • UN 1897 • TETRACHLOROETHYLENE
- IATA/ICAO: 6.1 III • UN 1897 • TETRACHLOROETHYLENE
- PAX: 605
- CAO: 612
- 10°C - 30°C