

AC3130 Trichloroacetic acid, extra pure, Pharmpur®, Ph Eur, BP



assay (acidimetric) . . . . . 98,0 - 100,5 %  
 identification . . . . . passes test  
 appearance of solution . . . . . passes test  
 chlorides (Cl) . . . . . max. 100 ppm  
 residue on ignition . . . . . max. 0,1 %

Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AC31301000	1 kg	
AC3130005P	5 kg	

AC3132 Trichloroacetic acid, ExpertQ®, for analysis, ACS



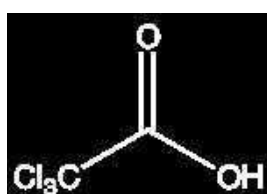
assay (acidimetric) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 appearance of solution . . . . . passes test  
 insoluble in water . . . . . max. 0,01 %  
 chlorides (Cl) . . . . . max. 0,002 %  
 nitrates (NO<sub>3</sub>) . . . . . max. 0,002 %  
 phosphates (as PO<sub>4</sub>) . . . . . max. 5 ppm  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,02 %

copper (Cu) . . . . . max. 5 ppm  
 heavy metals (as Pb) . . . . . max. 0,002 %  
 iron (Fe) . . . . . max. 0,001 %  
 substances darkened by H<sub>2</sub>SO<sub>4</sub> . . . . . passes test  
 residue on ignition . . . . . max. 0,03 %

ART. NO.	VOLUME	CONTAINER
AC31320100	100 g	
AC31320250	250 g	
AC31321000	1 kg	
AC3132005P	5 kg	
AC3132025P	25 kg	

## TRICHLOROACETIC ACID, SOLUTION 20%

AC3134 Trichloroacetic acid, solution 20% w/v, EssentQ®



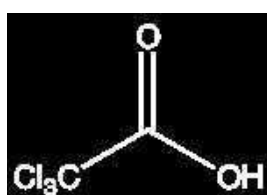
- Synonyms: TCA
- CCl<sub>3</sub>COOH
- M = 163,39 g/mol
- CAS [76-03-9]
- EINECS-No.: 200-927-2
- Density: 1,10 g/cm<sup>3</sup>
- EC-Index-No.: 607-004-00-7
- ADR: 8 C3 II UN 2564
- IMDG: 8 II UN 2564
- IATA/ICAO: 8 II UN 2564
- GHS-signal word: Danger
- GHS-H sentences: H314 - H335 - H411
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2915 40 00 00
- Applications: analytical chemistry, laboratory reagent, herbicide, precipitant for: proteins, fixative in microscopy.

assay (acidimetric) . . . . . approx. 20 %  
 chlorides (Cl) . . . . . max. 0,005 %  
 nitrates (NO<sub>3</sub>) . . . . . max. 0,02 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,05 %  
 copper (Cu) . . . . . max. 0,003 %  
 iron (Fe) . . . . . max. 0,002 %  
 lead (Pb) . . . . . max. 0,003 %  
 nickel (Ni) . . . . . max. 0,003 %

ART. NO.	VOLUME	CONTAINER
AC31341000	1 l	

## TRICHLOROACETIC ACID, SOLUTION 3%

AC3133 Trichloroacetic acid, solution 3% w/v, EssentQ®

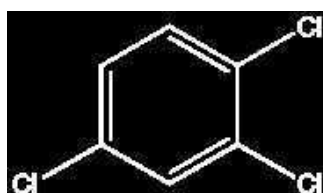


- Synonyms: TCA
- CCl<sub>3</sub>COOH
- M = 163,39 g/mol
- CAS [76-03-9]
- EINECS-No.: 200-927-2
- Density: 1,012 g/cm<sup>3</sup>
- EC-Index-No.: 607-004-00-7
- ADR: 8 C3 III UN 2564
- IMDG: 8 III UN 2564
- IATA/ICAO: 8 III UN 2564
- GHS-signal word: Warning
- GHS-H sentences: H315 - H319 - H335 - H411
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2915 40 00 00
- Applications: analytical chemistry, laboratory reagent, herbicide, precipitant for: proteins.

assay (acidimetric) . . . . . approx. 3 %  
 chlorides (Cl) . . . . . max. 0,003 %  
 nitrates (NO<sub>3</sub>) . . . . . max. 0,02 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,05 %  
 copper (Cu) . . . . . max. 0,003 %  
 iron (Fe) . . . . . max. 0,002 %  
 lead (Pb) . . . . . max. 0,003 %  
 nickel (Ni) . . . . . max. 0,003 %

ART. NO.	VOLUME	CONTAINER
AC31331000	1 l	

## 1,2,4-TRICHLOROBENZENE



- C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub>
- M = 181,45 g/mol
- CAS [120-82-1]
- EINECS-No.: 204-428-0
- Density: 1,45 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,049 g/l
- Melting point: 17 °C
- Boiling point: 213,5 °C
- Flash pt. 99 °C
- Ignition temp.: 571 °C
- Vapour pressure: (20 °C) 1,3 hPa
- LD 50 (oral, rat): 756 mg/kg

- ADR: 6.1 T1 III UN 2321
- IMDG: 6.1 III UN 2321
- IATA/ICAO: 6.1 III UN 2321
- GHS-signal word: Warning
- GHS-H sentences: H400 - H410 - H302 - H315
- GHS-P sentences: P280 - P273 - P321 - P362 - P332 + P313 - P501a
- Tariff number: 2903 99 99 90
- Applications: analytical chemistry, chromatography, synthesis of organic products.
- Appearance: Colourless liquid