

AC3141 Trifluoroacetic acid, EssentQ®



assay (acidimetric) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 1,487 - 1,489  
 residue on evaporation . . . . . max. 0,01 %  
 water (K.F.) . . . . . max. 0,3 %

ART. NO.	VOLUME	CONTAINER
AC31410100	100 ml	0
AC31411000	1 l	0

ART. NO.	VOLUME	CONTAINER
AC3141025A	25 l	0

AC3143 Trifluoroacetic acid, buffer substance, HPLC grade



assay (acidimetric) . . . . . min. 99,5 %  
 gradient elution . . . . . passes test  
 water (K.F.) . . . . . max. 0,05 %  
 max. absorbance in a 1,0 cm cell at  
 wavelength . . . . . absorbance  
 260 nm . . . . . 0,9 AU

270 nm . . . . .	0,1 AU
280 nm . . . . .	0,05 AU
290 nm . . . . .	0,04 AU
300 nm . . . . .	0,03 AU
320 nm . . . . .	0,025 AU

ART. NO.	VOLUME	CONTAINER
AC31430100	100 ml	0

AC3144 Trifluoroacetic acid, eluent additive for LC-MS



assay (acidimetric) . . . . . min. 99 %  
 aluminium (Al) . . . . . max. 0,05 ppm  
 barium (Ba) . . . . . max. 0,05 ppm  
 cadmium (Cd) . . . . . max. 0,05 ppm  
 calcium (Ca) . . . . . max. 0,2 ppm  
 chromium (Cr) . . . . . max. 0,05 ppm  
 cobalt (Co) . . . . . max. 0,02 ppm  
 copper (Cu) . . . . . max. 0,02 ppm  
 iron (Fe) . . . . . max. 0,2 ppm  
 lead (Pb) . . . . . max. 0,1 ppm  
 lithium (Li) . . . . . max. 0,02 ppm  
 magnesium (Mg) . . . . . max. 0,5 ppm  
 manganese (Mn) . . . . . max. 0,05 ppm  
 molybdenum (Mo) . . . . . max. 0,02 ppm  
 nickel (Ni) . . . . . max. 0,05 ppm

potassium (K) . . . . . max. 0,1 ppm  
 sodium (Na) . . . . . max. 0,5 ppm  
 strontium (Sr) . . . . . max. 0,02 ppm  
 thallium (Tl) . . . . . max. 0,05 ppm  
 zinc (Zn) . . . . . max. 0,1 ppm  
 water (K.F.) . . . . . max. 0,05 %  
 suitability for use in LC-MS . . . . . passes test  
 max. absorbance in a 1,0 cm cell at  
 wavelength . . . . . A (AU)  
 260 nm . . . . . 0,90 AU  
 270 nm . . . . . 0,10 AU  
 280 nm . . . . . 0,05 AU  
 290 nm . . . . . 0,04 AU  
 300 nm . . . . . 0,03 AU  
 320 nm . . . . . 0,025 AU

ART. NO.	VOLUME	CONTAINER
AC31440050	50 ml	0

AC3142 Trifluoroacetic acid, peptide synthesis grade



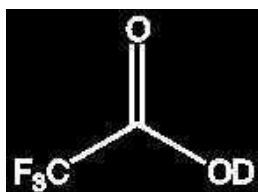
assay (acidimetric) . . . . . min. 99,5 %  
 identity (IR-spectrum) . . . . . passes test  
 density (20°/4°) . . . . . 1,487 - 1,489  
 chlorides (Cl) . . . . . max. 0,001 %

fluorides (F) . . . . . max. 0,005 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,001 %  
 residue on ignition (as SO<sub>2</sub>) . . . . . max. 0,001 %  
 water (K.F.) . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AC31420100	100 ml	0
AC31421000	1 l	0

## TRIFLUOROACETIC ACID-D

AC3140 Trifluoroacetic acid-d, deuteration degree min. 99,5%, NMR spectroscopy grade, Spectrosol®



- CF<sub>3</sub>COOD
- M = 115,03 g/mol
- CAS [599-00-8]
- EINECS-No.: 209-961-2
- Density: 1,50 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -15 °C
- Boiling point: 71 °C
- Vapour pressure: (20 °C) 11 hPa
- ADR: 8 C3 I UN 2699
- IMDG: 8 I UN 2699
- IATA/ICAO: 8 I UN 2699
- GHS-signal word: Danger
- GHS-H sentences: H314 - H332
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2845 90 10 00
- Applications: for protein synthesizing, synthesis of organic products.

deuteration degree . . . . . min. 99,5 %  
 water (K.F., H<sub>2</sub>O + D<sub>2</sub>O) . . . . . max. 0,05 %  
 performance test (NMR-spectrum) . . . . . passes test

ART. NO.	VOLUME	CONTAINER
AC3140.750	10x0,75ml	0