


Specification

Trichloroacetic Acid *BioChemica*

A1431

Solubility:	1600 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1431
Product Name:	Trichloroacetic Acid <i>BioChemica</i>
Specifications:	Assay (titr.): min. 99 % Sulfated ash: max. 0.1 % Fe: max. 0.005 %
Hazard pictograms	
UN:	1839
Class/PG:	8/II
ADR:	8/II
IMDG:	8/II
IATA:	8/II
WGK:	2
Storage:	RT
Signal Word:	Danger
GHS Symbols:	GHS05 GHS07 GHS09
H Phrases:	H314 H335

AppliChem GmbH

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Specification

Trichloroacetic Acid *BioChemica*

A1431

	H410
P Phrases:	P273 P280 P301+P330+P331 P305+P351+P338
Molecular Formula:	CCl ₃ COOH
M:	163.39 g/mol
CAS:	76-03-9
EINECS:	200-927-2
CS:	29154000
Index Nr.:	607-004-00-7
Comment	Protein-containing solutions with less than 25-50 µg protein / ml have to be concentrated for the application in the Lowry assay. Therefore, proteins are precipitated with trichloroacetic acid (TCA, 10 % solution) and RNA as a carrier. In addition, this enables to remove substances, that interfere with the Lowry assay (e. g. Triton® X-100, ref. 1).
Bibliography	(1)Polacheck, I. & Cabib, E. (1981) <i>Anal. Biochem.</i> 117 , 311-314A simple procedure for protein determination by the Lowry method in dilute solutions and in the presence of interfering substances. (2)Cabib, E. & Polacheck, I. (1984) <i>Methods Enzymol.</i> 104 , 415-416Protein assay for dilute solutions.

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