


Specification

**Triton® X-114 BioChemica**

**A3848**

<b>Physical Description:</b>	Liquid
<b>Product Code:</b>	A3848
<b>Product Name:</b>	Triton® X-114 BioChemica
<b>Headline Comment:</b>	®trademark of Union Carbide Company
<b>Specifications:</b>	Heavy metals: max. 0.0005 % Water: max. 1 % Chloride: max. 0.005 % Sulfate: max. 0.005 %
<b>Hazard pictograms</b>	
<b>WGK:</b>	2
<b>Storage:</b>	RT
<b>Signal Word:</b>	Danger
<b>GHS Symbols:</b>	GHS05 GHS07 GHS09
<b>H Phrases:</b>	H302 H318 H411
<b>P Phrases:</b>	P273 P280 P305+P351+P338 P310

**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

## Specification

### Triton® X-114 BioChemica

**A3848**

<b>Molecular Formula:</b>	$C_{30}H_{54}O_9$
<b>M:</b>	558.75 g/mol
<b>CAS:</b>	9036-19-5
<b>EINECS:</b>	232-658-1
<b>CS:</b>	34021300
<b>Comment</b>  Triton® X-114 forms at low temperatures a clear, micellar solution. Above 20°C two phases are formed by aggregation of micells. Extractions of cellular material for the isolation of proteins are performed at low temperatures.	
<b>Bibliography</b>  (1) Ausubel, F.A., Brent, R., Kingston, R.E., Moore, D.D., Seidman, J.G., Smith, J.A. & Struhl, K. (eds.) 2000. <i>Current Protocols in Molecular Biology</i> . pp. 17.8.1-17.8.4 Suppl. 22 John Wiley & Sons, New York. (2) Bordier, C. (1981) <i>J. Biol. Chem.</i> <b>256</b> , 1604-1607 Phase Separation of Integral Membrane Proteins in Triton® X-114 Solution. (3) Pryde, J.G. (1986) <i>TIBS</i> <b>11</b> , 160-163 Triton® X-114: a detergent that has come in from the cold. (4) Hooper, N.M. & Bashir, A. (1991) <i>Biochem. J.</i> <b>280</b> , 745-751 Separation of transmembrane proteins and phosphatidylinositol-anchored proteins with Triton® X-114.	

#### AppliChem GmbH

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
 CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340