


Specification

**CHAPS BioChemica**

**A1099**

<b>Physical Description:</b>	Solid
<b>Product Code:</b>	A1099
<b>Product Name:</b>	CHAPS BioChemica
<b>Specifications:</b>	Assay (from N): min. 99 % Conductivity (0.1 M): max. 10.0 µS/cm Pb: max. 0.005 % Water (K.F.): max. 4 % N: approx. 4.5 % Na: max. 0.005 % A (1 cm/5 % in H <sub>2</sub> O) 290 nm: max. 0.5 400 nm: max. 0.02
<b>Hazard pictograms</b>	
<b>WGK:</b>	1
<b>Storage:</b>	2-8°C
<b>Signal Word:</b>	Attention
<b>GHS Symbols:</b>	GHS07
<b>H Phrases:</b>	H315 H319 H335
<b>P Phrases:</b>	P261 P280 P305+P351+P338

**AppliChem GmbH**

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<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>58</sub> N <sub>2</sub> O <sub>7</sub> S
<b>M:</b>	614.89 g/mol
<b>CAS:</b>	75621-03-3
<b>EINECS:</b>	616-246-2
<b>CS:</b>	29242970
<b>Comment</b>  The detergent CHAPS is a derivative of cholate. It may be used e. g. at concentrations of 1 - 13 mM (1-3). CHAPS allows the isolation of many proteins in their native state, without losing much of its activity. Protein-protein interactions can be interrupted more efficiently as with Triton® X-100 or sodium cholate. CHAPS interferes with the Lowry protein assay.	
<b>Bibliography</b>  (1)Simonds, W.F. <i>et al.</i> (1980) <i>Proc. Natl. Acad. Sci. USA</i> <b>77</b> , 4623-4627Solubilization of active opiate receptors. (2)Hjelmeland, L.M. (1980) <i>Proc. Natl. Acad. Sci. USA</i> <b>77</b> , 6368-6370A nondenaturing zwitterionic detergent for membrane biochemistry\; Design and synthesis. (3)Bitonti, A.J. <i>et al.</i> (1982) <i>Biochemistry</i> <b>21</b> , 3650-3653Resolution and activity of adenylate cyclase compounds in a zwitterionic cholate derivative.	

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