


Specification

**Sodium Deoxycholate *BioChemica***

**A1531**

<b>Product Code:</b>	A1531
<b>Product Name:</b>	Sodium Deoxycholate <i>BioChemica</i>
<b>Specifications:</b>	<p>Assay (HPLC): min. 98.5 %</p> <p><math>\alpha_{20^{\circ}\text{C/D}}</math>; 2 %, H<sub>2</sub>O: +44° ± 2°</p> <p>pH (2 %; H<sub>2</sub>O; 20°C): 7.5 - 9.5</p> <p>Heavy metals: max. 0.002 %</p> <p>Sodium cholate: max. 2.0 %</p> <p>Loss on drying: max. 5.0 %</p>
<b>Hazard pictograms</b>	
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Signal Word:</b>	Attention
<b>GHS Symbols:</b>	GHS07
<b>H Phrases:</b>	<p>H302</p> <p>H315</p> <p>H319</p>
<b>P Phrases:</b>	<p>P280</p> <p>P302+P352</p> <p>P305+P351+P338</p>
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>39</sub> NaO <sub>4</sub>
<b>M:</b>	414.57 g/mol
<b>CAS:</b>	302-95-4


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<b>EINECS:</b>	206-132-7
<b>CS:</b>	29181930
<b>Comment</b>  While isolating ATPase with sodium deoxycholate for removal of lipids and addition of Glycerol to stabilize the enzyme, the enzyme gets inactivated while removing the lipids. The full activity can be recovered by adding phospholipids or detergent. 2 g of Sodium deoxycholate are added per 1 g ATPase (1).	
<b>Bibliography</b>  (1)Dean, W.L. & Tanford, C. (1978) <i>Biochemistry</i> <b>17</b> , 1683-1690 Properties of a delipidated, detergent-activated $\text{Ca}^{2+}$ -ATPase.	
	

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