

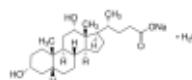
3050 Spruce Street, Saint Louis, MO 63103, USA

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## Product Specification

Product Name:  
Sodium deoxycholate monohydrate - BioXtra, ≥99.0% (titration)

Product Number: **D5670**  
CAS Number: 145224-92-6  
MDL: MFCD00150750  
Formula: C<sub>24</sub>H<sub>39</sub>NaO<sub>4</sub>·H<sub>2</sub>O  
Formula Weight: 432.57 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity) 0.1 M in H <sub>2</sub> O	Clear
Insoluble Matter Passes filter test	Pass
Infrared spectrum	Conforms to Structure
Sulfate	≤ 0.02 %
Cholic acid (by TLC)	≤ 0.5 %
Chloride Content	≤ 0.005 %
Aluminum (AL)	≤ 0.002 %
Bismuth ( Bi)	≤ 0.0005 %
Lead (Pb)	≤ 0.0005 %
Barium	≤ 0.0005 %
Cadmium (Cd)	≤ 0.0005 %
Cobalt ( Co)	≤ 0.0005 %
Strontium (Sr)	≤ 0.002 %
Copper (Cu)	≤ 0.0005 %
Zinc (Zn)	≤ 0.0005 %
Calcium (Ca)	≤ 0.05 %
Iron (Fe)	≤ 0.001 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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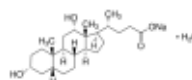
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TEST	Specification
Lithium	≤ 0.0005 %
Molybdenum (Mo)	≤ 0.0005 %
Nickel	≤ 0.0005 %
Chromium (Cr)	≤ 0.0005 %
Magnesium (Mg)	≤ 0.002 %
Manganese (Mn)	≤ 0.0005 %
Potassium (K)	≤ 0.010 %
A260 UV Absorption (0.1 M in H <sub>2</sub> O)	≤ 0.10
A280 UV Absorption (0.1 M in H <sub>2</sub> O)	≤ 0.08
pH (0.1 M in H <sub>2</sub> O at 20 deg C)	7.5 - 9.5
Specific Rotation Sodium lamp;(c = 2 in H <sub>2</sub> O at 20 deg C)	42 - 46 °
Titration Purity by Titration	≥ 99.0 %

Specification: PRD.0.ZQ5.10000053022

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