

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 21759  
**Lot Number** 002129-20151012  
**Product** **Glycocholic acid hydrate**

Cholyglycine hydrate

**CAS Number** 475-31-0  
**Molecular Formula** C<sub>26</sub>H<sub>43</sub>NO<sub>6</sub>  
**Molecular Weight** 465.63

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**Appearance** White crystalline powder  
**Heavy Metals** < 20 ppm  
**Water Content (Karl Fisher)** 4.1%  
**pH** 3.6  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = +29.7° (C=7.5 in 95% EtOH)  
**Infrared Spectrum** Conforms to structure  
**Organic Volatile Impurities** Ethanol: 0.2%  
Ethyl acetate: 0.1%  
**Related Substances** Cholic acid: 0.3%  
Glycodeoxycholic acid: 0.35%  
Ethylglycocholate: Not detected  
Ethylcholate: Not detected  
Other unidentified related substances: 0.08%  
Total sum of related substances: 0.98%  
**Purity by HPLC** 99.1%  
**Storage** Store at 0-8 °C

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**