

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	00441
<b>Lot Number</b>	000475-043816
<b>Product</b>	<b>5-Bromo-4-chloro-3-indolyl-<math>\beta</math>-D-glucuronide cyclohexylammonium salt</b> X-Glc•CHA  X-GlcA, X-glucuronide CHA salt
<b>CAS Number</b>	114162-64-0
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>13</sub> BrClNO <sub>7</sub> •C <sub>6</sub> H <sub>13</sub> N
<b>Molecular Weight</b>	521.8

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear colorless solution (2% in DMF)
<b>Water Content (Karl Fisher)</b>	1.4%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -90.2° (C=1 in DMF:H <sub>2</sub> O (1:1)) Dry basis
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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