



## CERTIFICATE OF ANALYSIS

Product : **5-BROMO-4-CHLORO-3-INDOLYL- $\beta$ -D-GLUCURONICACID, CYCLOHEXYLAMMONIUM SALT (X-GlcA)**  
Product number : X1405  
Batch number : 018917  
Date of analysis : 24-01-2024  
Date of expiry : 31-01-2027  
Storage conditions : store dry at 2 – 8 °C, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white to off-white powder	white powder		
Solubility	soluble in DMSO and DMF	complies		
Identity	conform	complies		<sup>1</sup> H NMR
Appearance of solution	clear and colourless	complies		2% in DMF
Optical rotation	-92.0 – -88.1	-90.16	°	DMF:H <sub>2</sub> O=1:1
Water	≤ 3.0	2.09	%	c=1, dried substance
Assay	≥ 99.0	99.92	%	Karl Fischer HPLC

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

S. Bayat, MSc, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 28-11-2024

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.

