

## CERTIFICATE OF ANALYSIS

Product : **5-BROMO-6-CHLORO-3-INDOLYL- $\beta$ -D-GLUCURONICACID, CYCLOHEXYLAMMONIUM SALT (MAGENTA-GlcA)**

Product number : M1412

Batch number : 010217

Date of analysis : 15-05-2013

Date of expiry : 31-05-2018

Storage conditions : store dry between 2 and 8 °C

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	off-white powder	complies		
Appearance of solution	clear and colourless	complies		2% in DMF
Identity	conform	complies		NMR
Optical rotation	-71 – -65	-66.2	°	DMF:H <sub>2</sub> O=1:1 c=1, dried substance
Water	< 1.0	0.25	%	Karl Fischer
Assay	> 98	> 98	%	TLC


This certificate of analysis is conform the results of the manufacturer and controlled by M.G. Smith.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 19-03-2014



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