

## CERTIFICATE OF ANALYSIS

Product : **5-BROMO-4-CHLORO-3-INDOLYL- $\beta$ -D-GALACTOPYRANOSIDE (X-GAL)**  
Product number : X1402  
Batchnumber : 016741  
Date of analysis : 05-01-2022  
Expiry date : 31-01-2025  
  
Packaging and storage : store dry at -20 °C, protect from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white to off-white crystalline powder	white powder		
Identification	conform	complies		IR-spectrum
Appearance of solution	clear and colourless	complies		2% in DMF
Specific optical rotation	-61.5 $\pm$ 1.5	-62.48	°	
Water content	$\leq$ 1.0	0.33	%	Karl Fischer
Assay	$\geq$ 99.0	99.30	%	HPLC

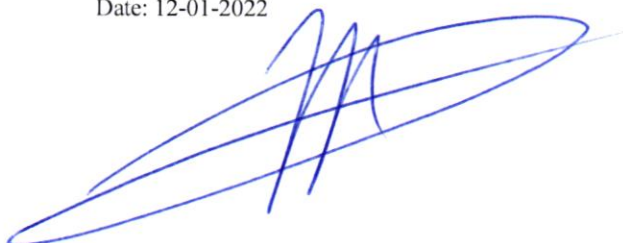
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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

Date: 12-01-2022



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

Duchefa Biochemie B.V.