

CERTIFICATE OF ANALYSIS

Product : **4-METHYLUMBELLIFERYL- β -D-GLUCURONIDE TRIHYDRATE (MUG trihydrate)**
 Product number : M1404
 Batch number : 012645
 Date of production : xx-03-2014
 Date of analysis : 03-03-2014
 Date of expiry : 28-02-2018

Storage conditions : store dry at 2 – 8 °C

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	almost white powder	complies		
Identity	conform	complies		FTIR-spectrum
Appearance of solution	clear and colourless	complies		2.5% in 1:1 acetone/water
Purity & method	99	complies	%	TLC
Water content	12.3 – 14.3	13.4	%	Karl Fischer
4-Methylumbelliferone	< 25	complies	ppm	TLC

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

Conclusion: approved

Released by:

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

Date: 09-01-2017



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