

# **Certificate of Analysis**

**ISO 9001** 



Organisation certified to ISO 9001 | DQS 102448 and GMP (EXCiPACT<sup>TM</sup>) Producer: Page 1/6 LGC GmbH Louis-Pasteur-Str. 30 D-14943 Luckenwalde Germany www.lgcstandards.com



### **Product information**

For laboratory use only. Not suitable for human or animal consumption.

Before usage of the RM, it should be allowed to warm to room temperature. No drying required, as the certified value is already corrected for the content of water and other volatile materials.

The product quality is controlled by regularly performed quality control/tests (retests).

#### **Further content**

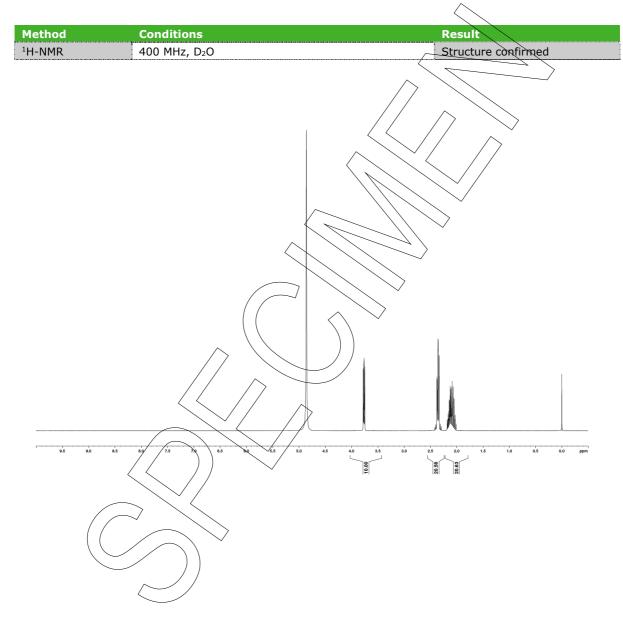
Identity Purity Final result

Revision table

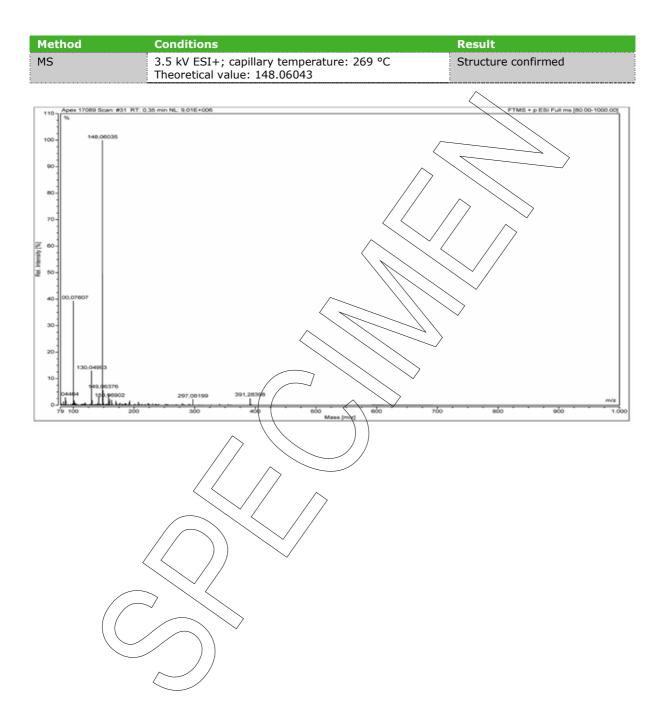


# Identity

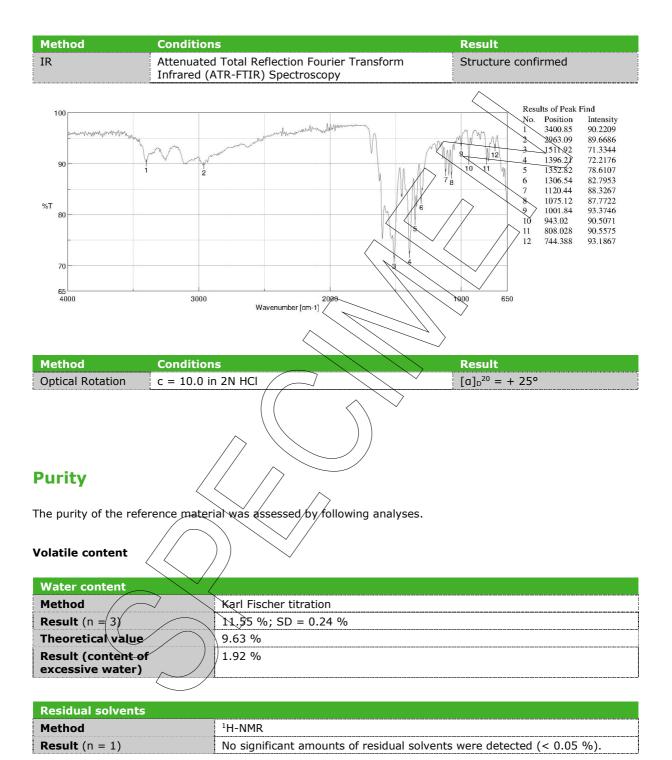
The identity of the reference material was established by following analyses.













### **Final result**

Assay "as is": 99.94 %

The assay "as is" is assessed by quantitative NMR spectroscopy and is equivalent to the assay based on the not anhydrous and not dried substance respectively.

Method: Value assigning technique - quantitative		
Conditions	400 MHz, D <sub>2</sub> O Maleic acid (certified reference material), signal 6.1 – 6.6 ppm, 2 H	
Internal standard		
Result (mass fraction, n = 6)	99.94 %; SD = 0.02 %	
uantitative NMR spectrum		
9.5 8 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0	4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 ppm	

## **Revision table**

Revision	Date	Reason for revision
00	13 Mar 2020	Release of the Certificate of Analysis – initial version

Product warranties for the RM are set out in the terms and conditions of purchase.