

**Test Certificate No.:**

**53257/2019**

<p><b>Testing laboratory</b>                  EUROFINS BEL/NOVAMANN s. r. o.                  Komjatická 73, 940 02 Nové Zámky                  IČO: 31 329 209                  Place of work:  <b>Testing laboratory Bratislava</b>                  Kollárovo nám. 9, 811 07 Bratislava                  tel.: 0911 810 533, fax: 02/52620178                  Bratislava@eurofins.sk, www.eurofins.sk</p>	<p><b>Customer</b>                  RJ Trading s.r.o.                   Božčická 13/5                  094 13 Dlhé Klčovo                  Slovenská republika</p>
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**Product information No.:** 53257  
 Sample description: Glucosamine HCL  
 Gross weight (volume): 50 g  
 Expiration date: 28.02.2020

**Information about Sampling:**  
 Sampler: customer

**Sample reception date:** 15.05.2019      **Date of Testing:** 15.05.2019 - 20.05.2019      **Certificate issued on:** 20.05.2019

**Physical and chemical tests**

Parameter	Unit	Allowed Value	Measured Value	Uncertainty*	Method	Testing method /Process variance	E	SL	TT
Content of glucosamine hydrochloride	%	-	99,45	15%	HPLC-DAD	ŠPP 027-F	-	BA	A

**Method**  
 HPLC-DAD      high performance liquid chromatography with diode array detector

**Notes:**

E - evaluation	TT - type of test
S - satisfied	A - accredited test executed at the own test laboratory
NS - not satisfied	N - non accredited test executed at the own test laboratory
ŠPP, LS-PP-CH - Standard operation procedure	SA - accredited test executed under the subcontract
ND - not detected by given method	SN - unaccredited test executed under the subcontract
CFU - Colony forming unit	TM - testing outside the laboratory at the customer
NM - necessary quantity	
m - the highest allowed value at the case of one sample	
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation	
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.	
- uncertainty given in units of analysed parameter reflects the uncertainty to the result of measurement.	
- uncertainty given in % reflects the uncertainty from the result of measurement.	
SL - analysing laboratory: BA-Bratislava, NZ-Nové Zámky, PN-Piešťany, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov	

**Disclaimer:** Laboratory is a disclaimer when the information is supplied by the customer and can affect the validity of results. If the sample has been provided by the customer, the results refer to the sample as it was received. Gauges and measuring equipment used for testing were calibrated or attested in accordance with the valid metrological instructions. The above mentioned test results refer to the tested sample only! The result given in this Test Certificate and marked as non accredited test shall not be a subject of accreditation. The result given in this Test Certificate and marked as sub- delivery is the result of a Subcontractor's gauging made under the terms and conditions of a contract concluded eith him. It's not possible reproduce or incorporate the test certificate into promotional materials without laboratory written authorization! SNAS is a Signatory to the Multilateral Agreement MRA ILAC.

Test results have been electronically validated by: Ing. Roman Poláček, PhD.

Worked out by: Ing. Roman Poláček, PhD.  
 Document No.: 42538/2019



**Test Certificate approved by:**  
 Ing. Roman Poláček, PhD.  
 Deputy Head of Laboratory Bratislava

