

## Certificate of Analysis

**Product name:** **Glucosamini sulfas 2NaCl**  
**Batch number / Weight:** **21C26-B01-210626 / 100 G**  
**Analysed according to:** **Ph.Eur.**

Tests	Requirement	Result	Unit	Standard remark
Appearance	White, crystalline powder	Conform		
Identification A	Conform	Conform		
Identification B	Conform	Conform		
Identification C	Conform	Conform		
Identification D	Conform	Conform		
Identification E	+50,0 - +55,0	Conform	%	
Appearance of solution	Clear / colourless	Conform		
pH	3,0 - 5,0	4,19		
Specific optical rotation	+50,0 - +55,0	+53,8	°	
Related substances	Conform	Conform		
Unspecified impurities	<=0,05	0,036	%	
Total impurities	<=0,2	0,036	%	
Loss on drying	<=0,5	0,03	%	
Sulphated ash	23,5 - 26,0	24,65	%	
Metallic residues	CHMP/ICH/353369/2013	Conform		Data producer
Residual solvents	CPMP/ICH/82 260/06	Conform		
D-Glucosamine sulphate. 2NaCl	98,0 - 102,0	101,48	%m/m	
Total aerobic microbial count (TAMC)	<=1000	Conform	CFU / g	
Total yeasts and moulds (TYMC)	<=100	Conform	CFU/g	
E. coli	Negative / gram	Conform		
TSE/BSE-statement:	No contamination with TSE/BSE-risk materials	Conform		Data producer
Remark	Food quality			

Analysis performed by the authorized lab.

**Release:**  
 Ewelina Gadzinowska  
 Qualified Person

12-07-2021

Expiration: 30-06-2023

Conclusion: APPROVED

This document has been produced electronically from our quality system and is valid without signature.