

# Analytical Report

Sample Code	128-2024-00006873	Report date	20-Feb-2024
Certificate No.	AR-24-VV-012932-01		



**QINGDAO NUTRALONG PHARMACHEM CO.,LTD**  
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Sample Code:	128-2024-00006873		
Client Sample Code:	20240109		
Sample described as:	D-GLUCOSAMINE SULFATE 2KCL		
Sample Packaging:	Sealed plastic bag		
Analysis Type:	Consignment Testing		
Sample reception date:	19-Jan-2024		
Analysis Starting Date:	19-Jan-2024		
Analysis Ending Date:	20-Feb-2024		
Arrival Temperature (°C)	20.4	Sample Weight	225g
Sample Type	Solid		

	Results	Unit	LOQ	LOD
※ VV00B Coliforms Method: ISO 4832:2006				
Coliforms	<10	cfu/g		
※ VV00D Yeasts and moulds Method: ISO 21527-2: 2008				
Moulds	<10	cfu/g		
Yeast	<10	cfu/g		
※ VV00E Salmonella Method: ISO 6579-1:2017				
Salmonella	Not Detected	/25 g		
※ VV00P Aerobic plate count Method: ISO 4833-1:2013				
Aerobic plate count	<10	cfu/g		
※ VV0A3 Coagulase-positive staphylococci Method: ISO 6888-1:2021				
Coagulase positive staphylococci	<10	cfu/g		



	Results	Unit	LOQ	LOD
※ VV60W Lead (Pb) (ICP-MS) Method: EN 15763:2009				
Lead (Pb)	Not Detected	mg/kg	0.05	0.02
※ VV60X Cadmium(Cd)(ICP-MS) Method: EN 15763:2009				
Cadmium (Cd)	Not Detected	mg/kg	0.005	0.002
※ VV6XA Total Arsenic(As)(ICP-MS) Method: EN 15763:2009				
Total Arsenic(As)	<0.005	mg/kg	0.005	0.002
※ VV60Y Total Mercury(Hg)(ICP-MS) Method: EN 15763:2009				
Total Mercury(Hg)	Not Detected	mg/kg	0.003	0.001

	Results	Unit	LOQ	LOD
※ VV603 Ash Method: AOAC 923.03				
Ash	29.9	g/100 g	0.01	
☆ FS0A8 Loss on Drying				
Method Reference	Glucosamine Sulfate Potassium Chloride			
Moisture	0.3	%	0.1	
☆ FS79L Glucosamine Sulfate KCl - Assay - EP Monograph Method: Current EP				

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	Results	Unit	LOQ	LOD
Assay - Dried Basis	98.6	%		
<b>Method References</b> Assay (Glucosamine Sulfate KCl - EP) (M_TITRTN_S) European Pharmacopeia, 11th Edition, Online Version, Directorate for the Quality of Medicines of the Council of Europe, Strasbourg Cedex, France (2022). Loss on Drying (LOD_S) European Pharmacopeia, 11th Edition, Online Version, Directorate for the Quality of Medicines of the Council of Europe, Strasbourg Cedex, France (2022).				
<b>SIGNATURE</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             Berton Zhang            Authorized Signatory         </div> <div style="text-align: center;">             Kenny Zhou            Authorized Signatory         </div> </div>				
<b>EXPLANATORY NOTE</b> Not Detected means the result is less than LOD LOQ: Limit of Quantification < LOQ: Below Limit of Quantification ☆ means the test is subcontracted within Eurofins group N/A means Not applicable ◎ means the test is subcontracted outside Eurofins group ※ means the test is analyzed at the second site of the company, other means analyzed at the first site Sum compounds results are calculated from the results of each quantified compound as set by regulation The uncertainty has not been taken into account for standards that already include measurement uncertainty or on explicit request of client. The sample description and information are provided by the Client. Eurofins is not responsible for verifying the accuracy, relevancy, adequacy and/or completeness of the information provided by the Client. The analytical result herein is applicable for the sample(s) tested only. This analytical report shall not be excerpted or modified without prior written approval from Eurofins. The report shall be utilized in full. The result(s) is(are) only for internal use by the client and not for publicly available as evidence. Without the written permission of Eurofins, any party is prohibited from using the test results and the report for publicity or promotions or marketing. The Eurofins General Terms and Conditions apply to this analytical report. For and on behalf of Eurofins Technology Service (Qingdao) Co., Ltd.				

END OF REPORT



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