



南京都莱生物技术有限公司 Nanjing Duly Biotech Co.,Ltd  
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质量报告单  
**CERTIFICATE OF ANALYSIS**

Product name	Protamine sulfate		
CAS No.	53597-25-4		
Batch number	Lot:N2408050023		
Production date	August 5, 2024	Expiring date	August 4, 2025
Standard adopted	Enterprise standard		
Items of analysis	Specification	Results	
Tissue morphology	Uniform powder or particle,soft, no caking	qualified	
Colour	White or light yellow powder	qualified	
Molecular (Dalton)	≤1000	qualified	
Taste and smell	No odor	qualified	
Impurity	No foreign impurities can be seen in the naked eye	qualified	
Stacking density (g/ml)	---	0.33	
Protein %(conversion coefficient 5.79 by dry base meter)	≥98.0	98.3	
ph ( 10% aqueous solution)	---	6.28	
Water (%)	≤8.00	6.07	
Ash (%)	≤7.00	0.86	
Heavy metal (mg/kg)	Pb ≤0.50	qualified	
	As≤0.50		
	Hg≤0.50		
	Cr≤2.00		
	Cd≤0.10		
Conclusion	Qualified		



质检员: 石雨  
Quality inspector: Yu Shi

审核员: 宋红梅  
Auditor: Hongmei Song