

Certificate of Analysis

Product Name	Heparin sodium	Batch No.	M24M08025
CAS No.	9041-08-1	MFG. Date	Aug 02, 2024
CAT No.	A000895	Retest Date	Aug, 2027
Items	Specification	Results	
Origin	Porcine intestinal mucosae	Conforms	
Description	A white or almost white powder, hygroscopic powder, freely soluble in water	Conforms	
Sodium	Positive sodium reaction	Conforms	
Specific Optical Rotation	$\geq 45^{\circ}$	$+50.2^{\circ}$	
PH	6.0-8.0	7.19	
Solubility	$\geq 40\%$ (W/V)	46.5%	
Turbidity of solution	$640\text{nm} \leq 0.018$	0.006	
Color of solution	Conforms	Conforms	
Absorption	$260\text{nm} \leq 0.150$	0.042	
Nitrogen	1.3%-2.5%	1.52%	
Sodium	10.5%-13.5%	10.8%	
Protein	$\leq 0.5\%$	0.21%	

Heavy Metals	≤ 30 ppm	< 30 ppm
Residue on ignition	28.0%-41.0%	32.5%
Heat lossing	$\leq 8.0\%$	4.4%
Bacteria	≤ 30 cfu/g	20 cfu/g
Microorganism	≤ 100 cfu/g	20 cfu/g
Endotoxin	≤ 0.01	0.005
Potency	≥ 180 IU/mg	180 IU/mg
Conclusion	Corresponds.	
Storage Condition	-20°C.	

QC:

Alex Foster

QA:

Felix Hobart