

Certificate of Analysis

Protamine Sulfate Reference Standard

Product No.: NKC0592

Product Information	
Cas No.:	9009-65-8.
Molecular Formula:	C ₁₆₆ H ₃₁₇ N ₉₅ O ₃₇ , C ₁₇₀ H ₃₂₆ N ₉₈ O ₃₆ , C ₁₆₇ H ₃₁₉ N ₉₅ O ₃₇ and C ₁₆₀ H ₃₀₉ N ₉₃ O ₃₃ .
Molecular Weight:	372.42 g/mol.
Grade:	Reference Standard.
Storage:	2 to 8 °C (Refrigerate)
MFG Date:	Oct-2025.
EXP Date:	Oct-2030.
Batch No.:	NKSR2075027.

Test	Specification	Result
Appearance (Colour)	White to almost white	White
Appearance (Form)	Powder	Powder
Solubility (Turbidity) 1% aq. solution	Clear	Clear
Solubility (Colour) 1% aq. solution	Colourless	Colourless
Assay (HPLC) (as is basis)	90.0-110.0%	95.2%
Absorbance (A) of 1% aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.1	0.023
@280nm	max. 0.1	0.015
Loss on drying at 105°C	max. 5%	3.7%
Iron (Fe)	max. 0.001%	Passes
DNase, RNase, Protease	Not detected	Not detected

- The product complies with the prescribed standards of quality
- The product has been tested by the Quality Control Laboratory of N K Chem to the above specifications
- This is Electronic Generated Specification do not require signature
- Assay on as is basis (Assay on anhydrous basis X (100-water content))/100.