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PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Protamine Sulfate Pur*Cert* Secondary Reference Standard (CRM)
[Includes all characterization data]

Product No.:	PSR50659
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	9009-65-8
Molecular Formula:	NA
Molecular Weight:	NA
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	White to Off White Powder or Crystals	White Powder
Assay (By HPLC)	≥ 90.0 %	99.65 %
Water (By KF)	NMT 5.0 %	2.121 %
Potency	-	97.53 %
Density	2.100 - 2.300 g/cm^3	2.200 g/cm^3
Identification by ^{1}H-NMR	Conforms to Structure	Conforms to Structure
Identification by Mass	Conforms to Molecular mass	Conforms to Molecular mass
Identification by IR	Conforms to Structure	Conforms to structure

***Traceable to USP Reference standard 1578612, LOT NO: R148E0**

Remarks:
This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications
The current Specification sheet may be available at www.pure-synth.com
Inspect on receipt

Storage Condition:
Store at a temperature of -20 ^{o}C and keep the container tightly closed.

PureSynth Research Chemicals GmbH
This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com