

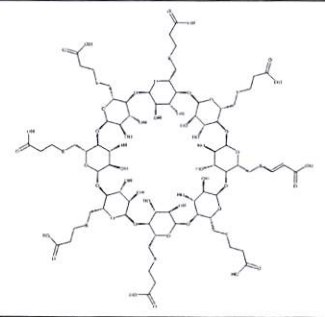
Certificate of Analysis

Certificate No.: **20250103032**



Date: January 3, 2025

Retest date: December 30, 2027

Compound Name: Sugammadex Impurity 112 (Mixture of Isomers)	
TLC Catalogue Number:	S-082121
CAS Number:	N/A
Molecular Weight:	2000.10
Molecular Formula:	C ₇₂ H ₁₁₀ O ₄₈ S ₈
Source:	TLC Pharmaceutical Standards
Source Lot No.:	6586-093A4
Storage Conditions:	Store at 2-8 °C
Solubility:	Alkaline solution, solution of Methanol and Water, DMSO



Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.6%
Impurity (HPLC)	RT 13.52, 0.27%	
Residual Solvents (NMR)	No residual solvent	
Assay (qNMR)	Not less than 90.0%	95.9%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/13/2025
Approved by:	Quality Assurance		01/13/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.