

## CERTIFICATE OF ANALYSIS

Name of the Product /Compound	:	Heptakis(6-S-(2-Carboxyethyl)-6-thio)-mono(6-S-(2-carboxyethyl)-(R)-sulfinyl) cyclomaltooctaose (Sulfoxide-I Impurity)			
Product Code	:	2179	Date of Analysis	:	29/10/2022
Batch No.	:	BP/2179/IMP/21/0018	Valid Up to	:	28/10/2023
A.R.No.	:	AL/22/10/458	STP No.	:	STP-SGD-FP-02-02
Manufacturing Date	:	Oct'2021	Page No.	:	1 of 1

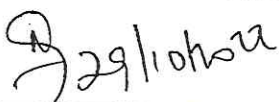
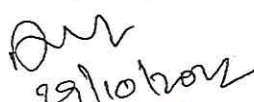

S. No.	Test Parameter	Specification	Result
1.0	Description	For information only	Off-white color powder
2.0	Identification by		
	a) IR Spectroscopy	The Infrared absorption spectrum of the sample must conform to functional groups	Conforms
	*b) <sup>1</sup> H NMR Spectroscopy	Should conform to structure	Conforms
	*c) Mass Spectroscopy	Should conform to Mass	Conforms
3.0	Chromatographic purity by HPLC (% Area)	For information only	94.18
#4.0	TGA (% w/w)	For information only	5.017

**Potency (%): 89.2**

#These tests were considered from initial qualification analysis.

\*These tests were considered from initial characterization analysis.

**Remarks:** The product **Conforms** to above specifications.

Compiled by	Reviewed by	Approved by
		
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Manager - Analytical Research and Development - Analytical Laboratory	Manager - Analytical Research and Development - Analytical Laboratory	Sr. Manager - Quality Assurance

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