



CERTIFICATE OF ANALYSIS

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1. Identification

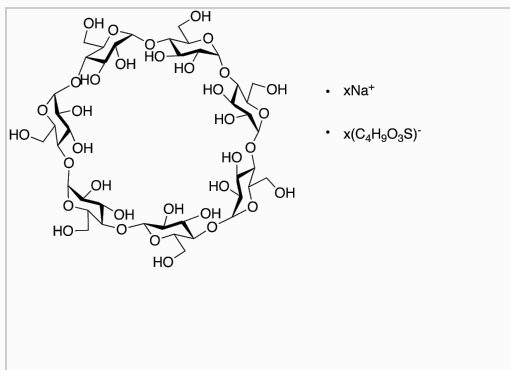
Catalogue Number: C987845

CAS Number: 182410-00-0

Product: b-Cyclodextrin Sulfobutyl Ethers, Sodium Salts

Synonym: Betadex Sulfobutyl Ether Sodium Salt

Structure:



Molecular Formula:

$C_{42}H_{70}O_{35} \cdot xNa \cdot x(C_4H_9O_3S)$

Molecular weight:

N/A

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Soluble)

Lot Number: 7-SXG-137-1

Purity: N/A

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 34.68, %H: 6.23, %N: 0.18
NMR	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White to Off-White Solid
Water Content	Report Result	~7.1% based on Elemental Analysis

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjeet Kaur	Toni Rantanen	Christina Gouliaras	9/1/2022	8/30/2029
				