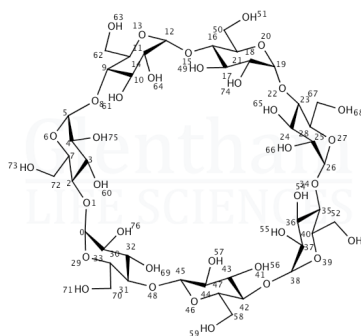


Product Specification

Product Name	Sulfobutyl ether beta-cyclodextrin sodium
Glentham Code	GP8988
CAS Number	182410-00-0
PubChem SID	310280407
Molecular Weight	2242.05
Molecular Formula	$C_{70}H_{119}Na_7O_{56}S_7$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to off-white powder
Identification	To pass tests A, B, C, D
Solubility (30% in water)	Clear, colourless solution
pH (30% in water)	4.0 - 6.8
Heavy Metals	≤ 5ppm
beta-Cyclodextrin	≤ 0.1%
1,4-Butane Sultone	≤ 0.5ppm
Sodium Chloride (NaCl)	≤ 0.2%
4-Hydroxybutane-1-sulfonic Acid	≤ 0.09%
Bis(4-sulfobutyl) Ether Disodium	≤ 0.05%
Total Aerobic Microbial Count	≤ 100CFU/g
Total Yeast and Mould Count	≤ 50CFU/g
E. Coli	Absent
Water	≤ 10.0%
Average Degree of Substitution	6.2 - 6.9
Assay	95.0 - 105.0 %
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.1
Date Created	-	2017-07-10

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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