

山东滨州智源生物科技有限公司

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Specification Data Sheet for Sulfobutylether- β -Cyclodextrin

Cas No:182410-00-0

Appearance:		White or almost white amorphous powder
Solubility:		Very soluble in water, sparingly soluble in methanol, practically insoluble in ethanol, in n-hexane, in 1-butanol, in acetonitrile, in 2-propanol and in ethyl acetate.
Identification:	IR	Same absorption bands as USP Betadex Sulfobutyl Ether Sodium salt RS
	HPLC	The retention time of the major peak of same solution corresponds to the standard solution.
	Average degree of substitution	Confirm.
	Sodium	Identify test are positive for Sodium.
Assay		95.0%~105.0%
Beta Cyclodextrin		$\leq 0.1\%$
1,4- Butane Sultone		$\leq 0.5\text{ppm}$
Sodium Chloride		$\leq 0.2\%$
4-Hydroxybutane-1-sulfonic Acid		$\leq 0.09\%$
Bis(4-sulfobutyl) Ether Disodium		$\leq 0.05\%$
Bacterial Endotoxins		$\leq 20\text{EU/g}$
The total aerobic microbial count		$\leq 100\text{cfu/g}$
The total combined moulds and yeasts count		$\leq 50\text{cfu/g}$
Escherichia coli		Absence
Clarity of solution		30%(w/v)solution is clear and essentially free from particles of foreign matter.
PH		4.0~6.8
Water content		$\leq 10.0\%$
Storage		Preserve in well-closed containers, Store at room temperature. Protect from moisture.