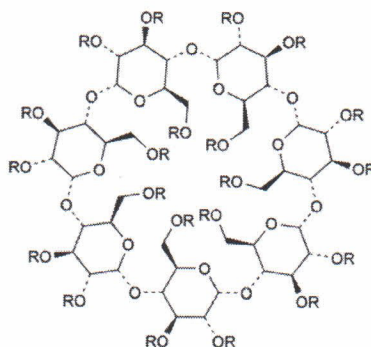




Batch no HB230607  
Mf date Jun 23 2023  
Expiry Jun 22 2026  
Batch size 1320.26 kg

Molecular Structure



Molecular Formula  $C_{42}H_{70}O_{35}(C_3H_6O)_x$  with  $x = 7MS$   
CAS Registry Number 94035-02-6

Aug 18 2023

Tests	Specifications	Results
Appearance	White or almost white amorphous or crystalline powder	White amorphous powder
Solubility	Freely soluble in water & in propylene glycol	Conforms
Identification	IR	Positive
Appearance of solution	The solution is clear and colorless	Conforms
Conductivity	$\leq 200 \mu S/cm$	61.5 $\mu S/cm$
Related substances	Impurity A $\leq 1.5\%$ Impurity B (GC) $\leq 2.5\%$ Sum of impurities other than A (HPLC) $\leq 1.0\%$	0.33% 0.038% 0.1%
Heavy metals	$\leq 20 ppm$	$< 20 ppm$
Loss on drying (120°C, 2hr)	$\leq 10.0\%$	3.2%
pH	5.0 ~ 7.5	6.5
Microbiology	Total aerobic microbial count $\leq 1000 cfu/g$ Total yeasts and molds count $\leq 100 cfu/g$ Escherichia coli Absent Salmonella Absent	10 cfu/g 20 cfu/g Absent Absent
Assay (Molar substitution)	0.4 ~ 1.5	0.68
Degree of substitution (7*Molar substitution)	2.8 ~ 10.5	4.75
Packaging & storage	Preserve in tight and light-resistant containers. Store at room temperature.	
Conclusion	Material complies with EP10.0	

