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## **Certificate of Analysis**

Product Name	2-Hydroxypropy grade	/l-beta-cyclodextrin, USP	но.	Y <sup>CH3</sup> HO CH3	
Glentham Code	GE3201				
CAS Number	128446-35-5		HO HO		
EINECS	420-920-1				
MDL Number	MFCD0006937	2	ноли	Стала Сталан	
Additional CAS	94035-02-6		но	Man O O O	
Batch Number	240TKV			ното в но	
Molecular Weight	N/A		но	он он снз	
Molecular Formula	N/A		CH <sub>3</sub>		
Storage Temp.	+20°C			Ch <sub>3</sub>	
Property		Specification		Batch 240TKV	
Physical Description		White or almost white crysta	alline powder	White crystalline powder	
Identification (IR)		To conform to standard		Conforms	
Solubility (50% in water)		Clear solution		Conforms	
Heavy Metals		≤ 20ppm		Conforms	
Loss on Drying		≤ 10.0%		3.6%	
Conductivity		≤ 200µS/cm (10% in water)	I.	66µS/cm	
Betadex		≤ 1.5%		0.34%	
Any Other Individual Impurity		≤ 0.25%		Conforms	
Total Other Impurities		≤ 1.0%		Conforms	
Propylene Glycol		≤ 2.5%		0.05%	
Propylene Oxide		≤ 1ppm		Conforms	
Molar Substitution		Reported		0.7	
Total Aerobic Microbial Count		≤ 1000CFU/g		≤ 10CFU/g	
Total Combined Yeast and Mould Count		≤ 100CFU/g		≤ 10CFU/g	
Pharmacopoeia Specificati		USP		Conforms	

Specification Version	v1.0
Manufacture Date	2022-03-12
Re-Test Date	2030-02-12

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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