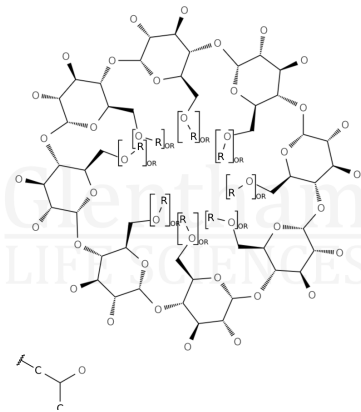


Certificate of Analysis

Product Name	(2-Hydroxypropyl)-gamma-cyclodextrin
Glentham Code	GX9244
CAS Number	128446-34-4
MDL Number	MFCD00148890
Batch Number	757GMS

Molecular Weight	1297.2 + n·(58.1)
Molecular Formula	$C_{48}H_{80}nO_{40} \cdot (C_3H_7O)_n$
Storage Temp.	+20°C



Property	Specification	Batch 757GMS
Physical Description	White to off-white powder	White powder
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
pH (10% in water)	5.0 - 8.5	7.5
gamma-Cyclodextrin	≤ 1.5%	0.2%
Water	≤ 10.0%	3.7%
Molar Substitution	0.4 - 0.9	0.77
Assay	≥ 98.0%	99.7%

Specification Version	v1.0
Manufacture Date	2021-03-30
Re-Test Date	2029-05-16

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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