

## Certificate of Analysis

Product Name	Hydroxypropyl methylcellulose acetate succinate, USP grade (medium acetyl content)
Glentham Code	GX6619
CAS Number	71138-97-1
MDL Number	MFCD00802310
Batch Number	363NEL
Molecular Weight	286.28
Molecular Formula	$C_{10}H_{22}O_9$
Storage Temp.	+20°C

Property	Specification	Batch 363NEL
Physical Description	White to almost white granular powder	White granular powder
Identification	To conform to standard	Conforms
Residue on Ignition	≤ 0.2%	≤ 0.1%
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Arsenic (As <sub>2</sub> O <sub>3</sub> )	≤ 2ppm	2ppm
Methoxy groups	12.0 - 28.0 %	22.5%
2-Hydroxypropoxy groups	4.0 - 23.0 %	7.5%
Succinyl Content	10.0 - 14.0 %	11.5%
Acetyl Content	7.0 - 11.0 %	8.2%
Free Acid	≤ 1.0% (acetic + succinic)	0.3%
Loss on Drying	≤ 5.0%	3.2%
Viscosity	2.4 - 3.6 mPa.s	3.2mPa.s
Pharmacopoeia Specification(s)	USP grade	Conforms

Specification Version	v1.0
Manufacture Date	2024-08-20
Re-Test Date	2031-10-18

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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