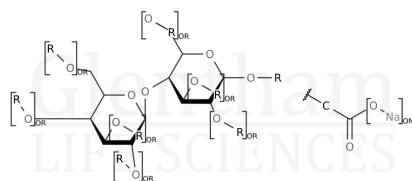


Certificate of Analysis

Product Name	Carboxymethylcellulose sodium salt, very low viscosity
Glentham Code	GC0321
CAS Number	9004-32-4
MDL Number	MFCD00081472
Batch Number	643SLC
Molecular Weight	~90,000
Molecular Formula	$[C_6H_7O_2(OH)_x(OCH_2COONa)_y]_n$
Storage Temp.	+20°C



Property	Specification	Batch 643SLC
Physical Description	White to off-white powder	Conforms
Purity	≥ 99.5%	99.6%
Water	≤ 10.0%	7.0%
Degree of Substitution	≥ 0.65	0.85
pH	6.0 - 8.5	7.5
Viscosity	100 - 500 cps (2%, LTV, 30rpm, sp.2)	458 cps
Heavy Metals (as Pb)	≤ 20ppm	Conforms
Lead (Pb)	≤ 2ppm	Conforms
Arsenic (As)	≤ 3ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 1ppm	Conforms

Specification Version	v1.0
Manufacture Date	2022-03-15
Re-Test Date	2029-03-11

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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