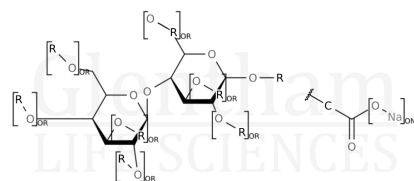


Certificate of Analysis

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	$\geq 99.5\%$	99.6%
Water	$\leq 10.0\%$	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)	$\leq 20\text{ppm}$	Conforms
Lead (Pb)	$\leq 2\text{ppm}$	Conforms
Arsenic (As)	$\leq 3\text{ppm}$	Conforms
Cadmium (Cd)	$\leq 1\text{ppm}$	Conforms
Mercury (Hg)	$\leq 1\text{ppm}$	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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024