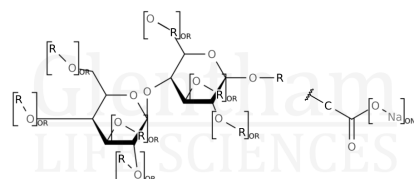


## Certificate of Analysis

|                   |   |
|-------------------|---|
| Product Name      | Carboxymethylcellulose sodium salt, low viscosity |
| Glentham Code     | GC7604  |
| CAS Number        | 9004-32-4   |
| MDL Number        | MFCD00081472                                      |
| Batch Number      | 630WJV  |
| Molecular Weight  | ~165,000  |
| Molecular Formula | $[C_6H_7O_2(OH)_x(OCH_2COONa)_y]_n$               |
| Storage Temp.     | +20°C   |



| Property               | Specification                        | Batch 630WJV              |
|------------------------|--------------------------------------|---------------------------|
| Physical Description   | Free flowing white powder            | Free flowing white powder |
| Purity                 | ≥ 99.5%                              | 99.6%                     |
| Water                  | ≤ 10.0%                              | 6.7%                      |
| Degree of Substitution | ≥ 0.65                               | 0.85                      |
| pH                     | 6.0 - 8.5                            | 7.4                       |
| Viscosity              | 500 - 1500 cP (2%, LTV, 30rpm, sp.3) | 1400 cP                   |
| Heavy Metals (as Pb)   | ≤ 20ppm                              | Conforms                  |
| Lead (Pb)              | ≤ 2ppm                               | Conforms                  |
| Arsenic (As)           | ≤ 3ppm                               | Conforms                  |
| Cadmium (Cd)           | ≤ 1ppm                               | Conforms                  |
| Mercury (Hg)           | ≤ 1ppm                               | Conforms                  |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.1       |
| Manufacture Date      | 2022-04-29 |
| Re-Test Date          | 2029-03-31 |

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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