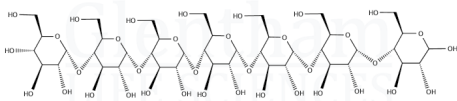


Certificate of Analysis

|               |               |
|---------------|---------------|
| Product Name  | Maltoheptaose |
| Glentham Code | GC5307        |
| CAS Number    | 34620-78-5    |
| EINECS        | 252-119-4     |
| MDL Number    | MFCD00064605  |
| PubChem SID   | 310275992     |
| Batch Number  | 513LVL        |

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Molecular Weight  | 1153.00                                         |
| Molecular Formula | C <sub>42</sub> H <sub>72</sub> O <sub>36</sub> |
| Storage Temp.     | +4°C                                            |



| Property                 | Specification              | Batch 513LVL |
|--------------------------|----------------------------|--------------|
| Physical Description     | White to off-white powder  | White powder |
| Solubility (5% in water) | Clear, colourless solution | Conforms     |
| Water                    | ≤ 10.0%                    | ≤ 10.0%      |
| Purity (HPLC)            | ≥ 75%                      | 84.8%        |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2019-09-17 |
| Re-Test Date          | 2030-06-01 |

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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