

## Product Datasheet

### GE1021 - Insulin Human, recombinant

#### Product Details

|                    |                            |
|--------------------|----------------------------|
| Product Name       | Insulin Human, recombinant |
| Glentham Code      | GE1021                     |
| CAS Number         | 11061-68-0                 |
| EINECS             | 234-279-7                  |
| Numéro MDL         | MFCD00131380               |
| Related Categories | Reagents for Cell Culture  |

|                                |                                |
|--------------------------------|--------------------------------|
| Assay                          | : ≥ 27.5IU/mg (dried basis)    |
| Assay                          | : 95.0 - 105.0 % (dried basis) |
| Total Plate Count              | : ≤ 300CFU/g                   |
| Bacterial Endotoxins           | : ≤ 10IU/mg                    |
| Pharmacopoeia Specification(s) | : USP, EP                      |
| Version                        | : v1.0                         |

#### About Insulin Human, recombinant

No further details on record.

#### Structure

|                   |                                   |
|-------------------|-----------------------------------|
| Molecular Weight  | : 5807.57                         |
| Molecular Formula | : $C_{257}H_{383}N_{65}O_{77}S_6$ |

#### Storage

Recommended storage temperature: -20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.

Not classified as dangerous for transport.

#### Glentham Product Specification

|                       |                                          |
|-----------------------|------------------------------------------|
| Physical Description  | : White to off-white powder              |
| Identification        | : A, B according to USP                  |
| Individual Impurities | : High molecular weight proteins: ≤ 0.4% |
|                       | : A-21 desamido insulin: ≤ 1.0%          |
|                       | : Insulin related proteins: ≤ 1.0%       |
| Zinc (Zn)             | : ≤ 0.6% (dried basis)                   |
| Loss on Drying        | : ≤ 10.0%                                |
| Residue on Ignition   | : ≤ 2.0%                                 |

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025