

## Manganese (II) sulphate monohydrate

**MB202**

### For Molecular Biology

#### Product Identifier

|                   |   |                                     |
|-------------------|---|-------------------------------------|
| CAS No.           | : | 10034-96-5                          |
| EC No.            | : | 232-089-9                           |
| Molecular Formula | : | MnSO <sub>4</sub> .H <sub>2</sub> O |
| Molecular Weight  | : | 169.02                              |
| HS Code           | : | 2833 29 40                          |
| Storage           | : | Below 30°C                          |
| Shelf life        | : | 4 years                             |

#### Technical Specification

|                                 |   |  |
|---------------------------------|---|--|
| Appearance                      | : | White to pink crystals or powder or solid        |
| Solubility                      | : | 33.3 mg soluble in 1 mL of water                 |
| DNases                          | : | None detected                                    |
| RNases                          | : | None detected                                    |
| Calcium (Ca)                    | : | <= 0.005%  |
| Chloride (Cl)                   | : | <= 0.005%  |
| Insoluble matter                | : | <= 0.01%   |
| Iron (Fe)                       | : | <= 0.002%  |
| Heavy metals (as Pb)            | : | <= 0.002%  |
| Magnesium (Mg)                  | : | <= 0.005%  |
| Nickel (Ni)                     | : | <= 0.02%   |
| Potassium (K)                   | : | <= 0.01%   |
| Sodium (Na)                     | : | <= 0.05%   |
| Zinc (Zn)                       | : | <= 0.005%  |
| Substance reducing permanganate | : | Passes test                                      |
| Loss on ignition                | : | 10.00 - 13.00% (at 400 - 500°C, constant weight) |
| Assay (EDTA Titration)          | : | >= 99.00%  |

#### Safety Information

Hazard Pictogram(s)



|                            |   |                              |
|----------------------------|---|------------------------------|
| Signal Word                | : | Warning                      |
| Hazard Statement(s)        | : | H373- H411                   |
| Precautionary Statement(s) | : | P260- P273- P314- P391- P501 |
| UN No.                     | : | 3077                         |
| Class                      | : | 9                            |
| Packing Group              | : | III                          |
| RTECS                      | : | OP0893500                    |
| WGK                        | : | 2                            |

