



## Specification

| Concerning Product:                     |                                                  |
|-----------------------------------------|--------------------------------------------------|
| Article number                          | 546930MPS                                        |
| Trade name / designation / denomination | Magnesiumcarbonat schwer E504 (ii)<br>EP,USP,FCC |
| CAS number                              | 546-93-0                                         |
| Other names / synonyms                  | •magnesium carbonate;                            |
| EC number                               | 208-915-9                                        |
| Customs tariff number / CN code / TARIC | 28369911                                         |
| Molecular weight [g / mol]              | 84,31                                            |
| Formula                                 | MgCO <sub>3</sub><br>CMgO <sub>3</sub>           |

| Parameter                    | Specification                                                                                             | Unit  |
|------------------------------|-----------------------------------------------------------------------------------------------------------|-------|
| <b>Organoleptic test</b>     |                                                                                                           |       |
| Appearance of solution       | complies                                                                                                  |       |
| Colour                       | white or almost white                                                                                     |       |
| <b>Physical parameter</b>    |                                                                                                           |       |
| Form                         | powder                                                                                                    |       |
| Loss on drying               | ≤ 2,0                                                                                                     | %     |
| Bulk density                 | 0,5 – 0,7                                                                                                 | g/ml  |
| Solubility                   | practically insoluble in water, insoluble in alcohol, soluble in diluted mineral acids with effervescence |       |
| <b>Identity</b>              |                                                                                                           |       |
| Assay                        | MgO: 40,0 – 43,5                                                                                          | %     |
| <b>Impurities</b>            |                                                                                                           |       |
| Heavy Metals (as Pb)         | ≤ 10                                                                                                      | ppm   |
| Insoluble impurities         | in acetic acid: ≤ 0,05                                                                                    | %     |
| Insoluble impurities         | in HCl: ≤ 0,05                                                                                            | %     |
| Soluble part                 | ≤ 1,0                                                                                                     | %     |
| Sulphates (SO <sub>4</sub> ) | ≤ 0,6                                                                                                     | %     |
| Impurity                     | CaO: ≤ 0,6                                                                                                | %     |
| <b>Elemental Impurities</b>  |                                                                                                           |       |
| Arsenic (As)                 | ≤ 2                                                                                                       | ppm   |
| Calcium (Ca)                 | ≤ 0,45                                                                                                    | %     |
| Cadmium (Cd)                 | ≤ 1                                                                                                       | ppm   |
| Chlorides (Cl)               | ≤ 700                                                                                                     | ppm   |
| Iron (Fe)                    | ≤ 200                                                                                                     | ppm   |
| Mercury (Hg)                 | ≤ 0,1                                                                                                     | ppm   |
| Lead (Pb)                    | ≤ 2                                                                                                       | ppm   |
| <b>Microbiological data</b>  |                                                                                                           |       |
| Coliform bacteria            | ≤ 40                                                                                                      | CFU/g |
| Escherichia Coli.            | neg.                                                                                                      | CFU/g |
| Total Plate Count            | ≤ 1000                                                                                                    | CFU/g |
| Yeast and Mould              | ≤ 25                                                                                                      | CFU/g |

### Supplemental information:

**Complies with monographie:** EP, USP, FCC, E 504(ii)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 26. Sep. 2024

LF-Basis: 3 (2022-02-09)

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