

Specification

Magnesia 2225020
Magnesium oxide, powder,
medium heavy, EP, USP, FCC
specific surface area (BET)
approx. 150 m²/g

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|---------------------|------------|
| Article No.: | 2225020 |
| Specification Type: | Standard |
| Version: | 2 |
| Issue Date: | 06/06/2023 |

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| Appearance | white to off-white powder |
| Solubility | almost insoluble in water. Insoluble in alcohol. Dissolves in diluted mineral acids. |
| MgO (on ignited basis) (EP) | 98.0 - 100.5 % |
| MgO (on ignited basis) (USP, FCC) | 96.0 - 100.5 % |
| Identification | positive |
| Solution S | complies |
| Appearance of solution | complies |
| Free alkali | Max. 2.00 ml |
| Soluble substances | Max. 2.00 % |
| Insoluble substances (in acid) | Max. 0.100 % |
| Cl | Max. 0.10 % |
| SO ₄ | Max. 1.00 % |
| As | Max. 1.5 ppm |
| As (FCC) | Max. 3 ppm |
| Pb | Max. 0.3 ppm |
| Pb (FCC) | Max. 4 ppm |
| Ca (EP) | Max. 1.50 % |
| Ca (USP) | Max. 1.10 % |
| CaO (FCC) | Max. 1.50 % |
| Fe (EP) | Max. 0.07 % |
| Fe (USP) | Max. 500 ppm |
| Loss on ignition | Max. 5.0 % |
| Loss on ignition (EP) | Max. 8.0 % |
| Loss on ignition (USP, FCC) | Max. 10.0 % |
| Bulk density (loose) | 0.25 - 0.60 g/cm ³ |
| Bulk density (loose) (EP) | Min. 0.25 g/cm ³ |
| Sieve residue (> 325 mesh) (wet sieve) | Max. 1.0 % |

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Specific surface area Min. 130 m²/g

Released by: 06/06/2023, Patrick Wendland

Parameters indicated in this specification are based on our current, carefully determined knowledge. It is the users own responsibility to test and analyze materials and therefore corroborate that products are adequate for their applications.

MAGNESIA GMBH

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