

Specification

Magnesia 4421
Calcium carbonate, light,
precipitated,
EP, E 170, FCC

Article No.: 5442110
Specification Type: Standard
Version: 2
Issue Date: 12/06/2018

| | |
|---|------------------------------|
| Appearance | white powder |
| Odour | odourless |
| Solubility | slightly soluble in water |
| Morphology | Calcit, scalenoedric |
| Identification | complies |
| CaCO ₃ (EP) | 98.5 - 100.5 % |
| CaCO ₃ (FCC) | 98.0 - 100.5 % |
| CaCO ₃ (E 170) | Min. 98 % |
| Insoluble substances (in acid) | max. 0.2 % |
| Cl | max. 330 ppm |
| SO ₄ | max. 0.25 % |
| As | max. 3 ppm |
| Heavy Metals (as Pb) | max. 20 ppm |
| Fe | Max. 0.02 % |
| Mg and alkali salts (E 170, FCC) | Max. 1 % |
| Mg and alkali salts (EP) | Max. 1.5 % |
| Loss on drying (200 °C, 4 h) | Max. 2.0 % |
| F | Max. 50 ppm |
| Pb | Max. 3 ppm |
| Cd | max. 1 ppm |
| Sb, Cu, Cr, Zn, Ba (singly or in combination) | max. 100 ppm |
| Ba | complies |
| Bulk density (loose) | approx. 300 g/l* |
| Bulk density (tapped) | approx. 500 g/l* |
| Specific surface area (BET) | approx. 9 m ² /g* |
| Particle size (D50) | approx. 1 µm* |
| Sieve residue (> 45 µm) | max. 0.1 %* |
| Whiteness | approx. 93.0 %* |

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| | |
|--|-----------------|
| Total Plate Count | max. 1000 cfu/g |
| Yeasts / Moulds | max. 100 cfu/g |
| Gram-negative bacteria (bile-tolerant) | negative/g |
| E. coli | negative/g |
| Staphylococcus | negative/g |
| Pseudomonas aeruginosa | negative/g |
| Salmonella | negative/g |

* only available as typical value

Released by: 12/06/2018, Janina Sinagowitz

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.