MAGNESIA
MINERAL COMPOUNDS

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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
CaCO3 (EP)	98.5 - 100.5 %
CaCO3 (FCC)	98.0 - 100.5 %
CaCO3 (E 170)	Min. 98 %
Insoluble substances (in acid)	max. 0.2 %
Cl	max. 330 ppm
SO4	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 m2/g*
Particle size (D50)	approx. 1 µm*
Sieve residue (> 45 µm)	max. 0.1 %*
Whiteness	approx. 93.0 %*

MAGNESIA GMBH
Max-Jenne-Straße 2–4
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Management
Markus Cording, Johann Studtmann
Amtsgericht Lüneburg, HRB 629
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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.

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