

## Specification

Magnesia 4461  
Calcium carbonate,  
precipitated, medium heavy  
EP, USP, E 170, FCC

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Article No.: 5446110  
Specification Type: Standard  
Version: 2  
Issue Date: 16/08/2018

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Appearance	white powder
Morphology	Calcit, scalenoedric
Odour	odourless
Identification	complies
Assay (EP)	98.5 - 100.5 %
Assay (E 170)	Min. 98 %
Assay (USP, FCC)	98.0 - 100.5 %
Insoluble substances (in acid)	max. 0.2 %
Mg and alkali salts (EP)	Max. 1.5 %
Mg and alkali salts (USP, E 170, FCC)	Max. 1 %
F	Max. 50 ppm
Sb, Cu, Cr, Zn, Ba	max. 100 ppm
Ba	complies
Heavy Metals (as Pb)	max. 20 ppm
Pb	Max. 3 ppm
Cd	max. 1 ppm
Hg	max. 0.5 ppm
As (EP)	max. 4 ppm
As (USP, E 170, FCC)	max. 3 ppm
Fe (EP)	Max. 200 ppm
Fe (USP)	Max. 1000 ppm
Cl	max. 330 ppm
SO <sub>4</sub>	max. 0.25 %
Loss on drying	Max. 2.0 %
Specific surface area	approx. 5 m <sup>2</sup> /g*
Particle size (D50)	approx. 3 µm*
Bulk density (tapped)	approx. 700 g/l*
Total Plate Count	max. 1000 cfu/g

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[www.magnesia.de](http://www.magnesia.de)



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Yeasts / Moulds	max. 100 cfu/g
Gram-negative bacteria	max. 100/g
E. coli	negative/g
Staphylococcus	negative/g
Pseudomonas aeruginosa	negative/g
Salmonella	negative/10 g

\* only available as typical value

Released by: 16/08/2018, Hilka Kehl

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.