



MAGNIFIN

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D A T A S H E E T

ANKERMAG-B 21

Magnesium Oxide (MgO)
with a very low content of heavy metals

DESCRIPTION:

ANKERMAG-B 21 – Magnesium Oxide – is a fine, white powder composed of agglomerates of primary particles with diameter between 0,5 and 1 µm. It is **non-flammable** and **non-toxic**. Due to its reactivity, ANKERMAG-B 21 absorbs water vapour and carbon dioxide from the atmosphere. It should, therefore, be stored in airtight silos or in its original packaging.

For safety precautions see the Safety Datasheet.
Chemical and physical properties and specifications on the reverse.

APPLICATIONS:

- in the chemical industry as a general neutralisation agent
- for pharmaceutical products on request
- in the manufacture of very pure Magnesium Hydroxide
- in the manufacture of very pure Magnesium-salts
- numerous other applications (please consult our Technical Department)

DELIVERY:

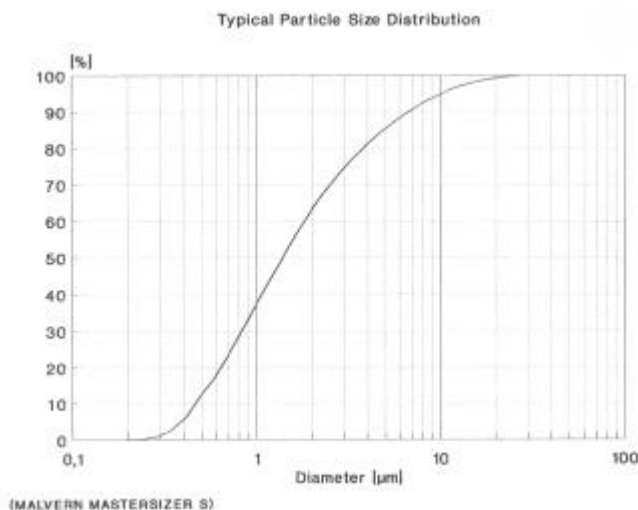
bulk: silo-trucks, 23.000 kg max.

bulk-bags: bags (0,9 x 0,9 x 1,8 m) with bottom discharge, approx. 1.000 kg, shrink-wrapped on single trip pallets (1 x 1 m)

paper sacks: multiply paper sacks with plastic liner, 25 kg net, 40 sacks shrinkwrapped on single trip pallets, 1.000 kg net

chemical and physical properties of ANKERMAG-B 21

chemical analysis:	unit	typical	specification
LOI (loss on ignition 950 °C)	%	1,6	< 2,0
MgO (as produced)	%	97,5	> 96,5
SiO ₂	ppm	60	< 200
CaO	%	0,45	< 0,60
Al ₂ O ₃	ppm	20	< 50
Fe ₂ O ₃	ppm	30	< 100
Cr ₂ O ₃	ppm	10	< 30
MnO	ppm	10	< 30
NiO	ppm	50	< 100
Na ₂ O	ppm	300	< 600
K ₂ O	ppm	30	< 100
B ₂ O ₃	ppm	< 1	
SO ₄	%	0,03	< 0,10
Cl'	%	1,2	< 1,50
other characteristics:			
spec. surface area BET	m ² /g	4 - 5	
citric acid activity	sec	550	
bulk density	kg/m ³	400 – 500	
sieve residue (wet) 0,063 mm	%	1	



All information is given on the basis of measured figures which have been determined during long production periods and according to normal analytical practice or to our own standards, respectively. However, further developments and adaptations of our products according to the requirements of our customers may result in changes of the above figures.