



Van Mannekus

Datasheet:

AK 98 Premium HR

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Version 4

- a very white powder of **magnesium oxide**
- a **high purity** and **high reactivity** quality with **very low iron** content
- for special chemical and technical applications

Chemical Analysis:

		typical		min./max.	
MgO	(Magnesium Oxide) on ignited basis	98,0	%	min.	97,1 %
CaO	(Calcium Oxide)	1,8	%	max.	2,2 %
SiO ₂	(Silicon Oxide)	0,4	%	max.	0,6 %
Fe ₂ O ₃	(Iron Oxide)	0,04	%	max.	0,06 %
Al ₂ O ₃	(Aluminium Oxide)	0,02	%	max.	0,05 %
SO ₃	(Sulfur Oxide)	0,01	%	max.	0,02 %
LOI	(Loss of ignition)	2,5	%		

Physical Parameters:

CAA	(Citric acid activity)	20 - 30	seconds
SSA	(Specific surface area)	50 - 70	m ² /g
Colour:	white		
Grinding sizes:	-200 mesh (98 % < 75 micron, laser diffraction method) -325 mesh (98 % < 45 micron)		
Density:	bulk density (EN 459 - 2)		550 - 650 g / l

Packaging:

- in 20 kg paper bags with PE-liner
- in big bags (800 kg for -325 mesh, 900 kg for -200 mesh product)
- in bulk

Storage:

Magnesium oxide rapidly attracts moisture from air and forms lumps. The product must be stored in a clean, dry storage area and protected from moisture with PE-foil.
Always re-seal full, partly used pallets and single bags with PE-foil.

Please note:

- All information is based on data available at the date of issue. This datasheet is an uncontrolled copy which will not be updated automatically.
- The chemical and physical data refer to analyses of complete shipment lots or production batches.
- No guarantee is implied or expressed regarding the use of the product, since the conditions for use are beyond our control.