MAGNESIUM HYDROXIDE **NIKOMAG™ A7**
HEXAGONAL UNCOATED

APPLICATION:

- a highly efficient non-toxic inorganic flame retardant, filler and smoke suppressing additive for the manufacture of almost all types of plastics and filled (co)polymer compositions on the basis of PA, PP, PE, EVA, etc.
- in pharmaceutical industry for the manufacture of laxatives, antacids and other magnesium-containing medicines;
- in food industry as food additive E-528 (acidity regulator, color stabilizer etc.)
- in production of lubricating oil additives;
- in production of magnesium compounds;
- in production of catalysts;
- in production of industrial cleaning agents;
- as pigment;
- In production of cosmetics and personal care products

THE BASIC QUALITY PARAMETERS:

INDEX	DATA
1 Appearance	White powder
2 Mass fraction of magnesium hydroxide, % , minimum	99.8
3 Mass fraction of volatile substance at 105°C,% maximum	0.3
4 Mass fraction of iron (Fe) , ppm maximum	50
5 Mass fraction of calcium (Ca), ppm maximum	100
6 Mass fraction of chlorine (Cl^-), ppm maximum	200
7 Mass fraction of (S), ppm maximum	200
8 Mass fraction of sodium (Na), ppm maximum	200
9 Bulk density, g/cm³ minimum	0.3
10 Specific surface area, m²/g	6-9
11 Whiteness, %, minimum	96.0 (for reference)
12 Filter screening test (no 0045), %, maximum	0.1
13 Particle size distribution, μm:	
diameter of 10 % of particles (d10) maximum diameter of 50 % of particles (d50) maximum diameter of 90 % of particles (d90) maximum	0.5 1.2 2.5
14 Surface treatment	uncoated
15 Crystal shape	hexagonal

Individual customer-related approach is the basis of production process. The product is optionally surface-treated with any type of coating material (stearic acid, amino- and vinyl- silanes). Particles' size distribution and specific surface area are adjusted accordingly

CERTIFICATION:

ISO 9001; ISO 22000:2005; HACCP Codex Alimentarius; HALAL; KOSHER

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