

DIN EN 16004:2012-02 (E)

Chemicals used for treatment of water intended for human consumption - Magnesium oxide

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Description	6
3.1	Identification	6
3.1.1	Chemical name	6
3.1.2	Synonym or common name	6
3.1.3	Relative molecular mass	6
3.1.4	Empirical formula	6
3.1.5	Chemical formula	6
3.1.6	CAS Registry Number	6
3.1.7	EINECS reference	7
3.2	Commercial forms	7
3.3	Physical properties	7
3.3.1	Appearance	7
3.3.2	Density	7
3.3.3	Solubility in water	7
3.3.4	Particle size	7
3.4	Chemical properties	7
4	Purity criteria	7
4.1	General	7
4.2	Composition of commercial product	8
4.3	Impurities and main by-product	8
4.4	Chemical parameters	8
5	Test methods	9
5.1	Sampling	9
5.2	Analyses	9
6	Labelling - Transportation - Storage	9
6.1	Means of delivery	9
6.2	Risk and safety labelling according to the EU directives	9
6.3	Transportation regulations and labelling	10
6.4	Marking	10
6.5	Storage	10
6.5.1	Long term stability	10
6.5.2	Storage incompatibilities	10
Annex A (informative)	General information on magnesium oxide	11
A.1	Origin	11
A.1.1	Raw materials	11
A.1.2	Manufacturing process	11
A.2	Use	11
A.2.1	Function	11

A.2.2	Other properties	11
A.2.3	Form in which it is used	11
A.2.4	Treatment dose	11
A.2.5	Means of application	11
A.2.6	Secondary effects	12
A.2.7	Removal of excess product	12
A.3	Rules for safe handling and use	12
A.4	Emergency procedures	12
A.4.1	First aid	12
A.4.2	Spillage	12
A.4.3	Fire	12
	Bibliography	13