

DIN EN 17841:2024-05 (E)

Chemical used for treatment of water intended for human consumption - Antifouling for membranes - Sulfamic acid

Contents		Page
	European foreword	4
	Introduction	5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Description	6
4.1	Identification	6
4.1.1	Chemical name	6
4.1.2	Synonym or common name	6
4.1.3	Relative molecular mass	6
4.1.4	Empirical formula	6
4.1.5	Chemical formula	7
4.1.6	CAS Registry Number	7
4.1.7	EINECS reference	7
4.2	Commercial form	7
4.3	Physical properties	7
4.3.1	Appearance	7
4.3.2	Density	7
4.3.3	Solubility in water	7
4.3.4	Boiling point at 100 kPa	7
4.3.5	Melting point	8
4.3.6	Specific heat	8
4.3.7	Viscosity, dynamic	8
4.3.8	Critical temperature (for gas)	8
4.3.9	Critical pressure (for gas)	8
4.3.10	Physical hardness	8
4.4	Chemical properties	8
5	Purity criteria	8
5.1	General	8
5.2	Composition of commercial product	8
5.3	Impurities and main by-products	8
5.4	Chemical parameters	9
6	Test methods	9
6.1	Sampling	9
6.2	Analyses	9
6.2.1	Sulphamic acid (main product)	9
6.2.2	Impurities	10
6.2.3	Chemical parameters	10
7	Labelling - Transportation - Storage	11
7.1	Means of delivery	11
7.2	Labelling	11
7.3	Transportation and labelling	12
7.4	Marking	12

7.5	Storage	12
7.5.1	General	12
7.5.2	Long term stability	12
7.5.3	Storage incompatibilities	12
Annex A (informative) General information on sulphamic acid		13
A.1	Origin	13
Annex B (informative) Analytical methods - Determination of arsenic, cadmium, chromium, lead, nickel, antimony, mercury and selenium (inductively coupled plasma optical emission spectrometry (ICP/OES))		14
B.1	General	14
B.2	Principle	14
B.3	Reagents	14
B.4	Apparatus	15
B.5	Procedure	16
B.6	Expression of results	17
Annex C (normative) General rules relating to safety		18
C.1	Rules for safe handling and use	18
C.2	Emergency procedures	18
Bibliography		19