

# DIN EN 936:2014-03 (E)

## Chemicals used for treatment of water intended for human consumption - Carbon dioxide

---

Contents	Page
Foreword .....	3
Introduction .....	4
1 Scope .....	5
2 Description .....	5
2.1 Identification .....	5
2.1.1 Chemical name .....	5
2.1.2 Synonym or common name .....	5
2.1.3 Relative molecular mass .....	5
2.1.4 Empirical formula .....	5
2.1.5 Chemical formula .....	5
2.1.6 CAS Registry Number .....	5
2.1.7 EINECS reference .....	5
2.2 Commercial form .....	5
2.3 Physical properties .....	6
2.3.1 Appearance .....	6
2.3.2 Density .....	6
2.3.3 Solubility in water .....	6
2.3.4 Vapour pressure .....	6
2.3.5 Boiling point at 100 kPa .....	6
2.3.6 Melting point .....	6
2.3.7 Specific heat .....	6
2.3.8 Viscosity (dynamic) .....	6
2.3.9 Critical temperature .....	6
2.3.10 Critical pressure .....	6
2.3.11 Physical hardness .....	6
2.4 Chemical properties .....	7
3 Purity criteria .....	7
3.1 General .....	7
3.2 Composition of commercial product .....	7
3.3 By-products .....	7
3.4 Chemicals parameters .....	8
4 Test methods .....	8
4.1 Sampling .....	8
4.2 Analysis .....	9
4.2.1 Carbon dioxide .....	9
4.2.2 Impurities .....	9
5 Labelling - Transportation - Storage .....	9
5.1 Means of delivery .....	9
5.2 Labelling according to the EU legislation .....	10
5.3 Transportation regulations and labelling .....	11
5.4 Marking .....	11
5.5 Storage .....	11
Annex A (informative) General information on carbon dioxide .....	12

A.1	Origin .....	12
A.2	Use .....	12
A.3	General rules relating to safety .....	13
	<b>Bibliography .....</b>	<b>14</b>