

# INEOS Enterprises

## SALT TECHNICAL DATA SPECIFICATION

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### 'hydrosoft' GRANULAR SALT

'hydrosoft' Granular salt is the ideal regenerant for water softeners. The large crystalline beads are easily dispersed and rapidly dissolve. The unique manufacturing process of INEOS Enterprises achieves food-grade purity and absence of mushing problems. Product quality is assured by a Quality Management System registered to ISO 9001, a manufacturing process certificated to the BRC Global Standard for Food Safety, and a commitment to continuous improvement.

### CHEMICAL SPECIFICATION

Test methods used are as given in BS998:1990 or equivalent, except appearance which is a visual assessment.

| COMPONENT                        | UNIT   | SPECIFICATION     | TYPICAL ANALYSIS |
|----------------------------------|--|-------------------|------------------|
| Appearance                       |  | White Crystalline |                  |
| Assay (dry basis)                | %m/m NaCl                                    | 99.9 min.         | 99.9             |
| Surface Moisture                 | %m/m H <sub>2</sub> O                        | <1.0              | 0.15             |
| Insoluble matter                 | mg/kg  | <50               | <10              |
| Alkalinity                       | mg/kg<br>Na <sub>2</sub> CO <sub>3</sub>     | <100              | 45               |
| Sulphate                         | mg/kg<br>Na <sub>2</sub> SO <sub>4</sub>     | <300              | 147              |
| E535, Sodium Hexacyanoferrate II | mg/kg<br>Na <sub>4</sub> Fe(CN) <sub>6</sub> | 14 max.           | 6.8              |
| Total Iron                       | mg/kg Fe                                     | <5                | 1.5              |
| Total Calcium                    | mg/kg Ca                                     | <5                | 0.6              |
| Total Magnesium                  | mg/kg Mg                                     | <2                | 0.8              |
| Total Copper                     | mg/kg Cu                                     | 2 max.            | <0.1             |
| Total Arsenic                    | mg/kg As                                     | 0.3 max.          | <0.01            |
| Total Lead                       | mg/kg Pb                                     | 1 max.            | <0.1             |
| Total Cadmium                    | mg/kg Cd                                     | 0.2 max.          | <0.01            |
| Total Mercury                    | mg/kg Hg                                     | 0.05 max.         | <0.03            |
| Total Nickel                     | mg/kg Ni                                     | 0.75 max.         | <0.05            |
| Total Chromium                   | mg/kg Cr                                     | 0.75 max.         | <0.03            |
| Total Selenium                   | mg/kg Se                                     | 2.6 max.          | <0.2             |
| Total Antimony                   | mg/kg Sb                                     | 2.6 max.          | <0.2             |
| Total Bromide                    | mg/kg Br                                     | <50               | 34               |

### PHYSICAL CHARACTERISTICS

Typical Sieve Analysis

|        | % Through Sieve |
|--------|-----------------|
| 3.35mm | 99.6            |
| 1.7mm  | 54.1            |
| 0.6mm  | 1.4             |

*P. Cowley*

P Cowley

Quality & Analysis Manager

Note that the specification for passing 0.6mm sieve is 10% maximum.

**Important Note:** The information contained in this document is given in good faith and is to the best of INEOS' knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purposes.

**INEOS Enterprises - Salt Business**

Enterprise House, South Parade, PO Box 9, Runcorn, Cheshire, WA7 4JE  
Tel +44 (0) 845 6030 444 Fax +44 (0) 1928 572261