



## Superior Purified USP Sodium Chloride

Watkins Glen, NY production

### Description

Superior Purified USP Sodium Chloride is a high purity, food grade, cubic crystalline Sodium Chloride of variable particle size distribution. This salt is obtained from underground salt deposits by deep well solution mining. The brine is chemically purified, and subsequently, evaporated by the vacuum pan system, under stringent process control, providing the highest purity and minimal insoluble extraneous matter for salt which contains no additives. Superior Purified USP Sodium Chloride meets the most rigid standards of the latest revision of United States Pharmacopoeia and can be certified as meeting the latest European Pharmacopoeia standards. Each lot of Superior Purified USP Sodium Chloride is coded and analyzed to assure that the salt meets the highest quality standards. Certificates of Analysis (COA) are available for each shipment. Superior Purified USP Sodium Chloride is recommended for use where the highest quality standards must be maintained, particularly in the medical field, as in the manufacturing of saline solution for intravenous feeding, plasma separation, kidney dialysis and other critical medical applications.

### Approved Use

Superior Purified USP Sodium Chloride meets Food Chemicals Codex standards for Sodium Chloride. It is acceptable for direct use in meat products under USDA/MIS standards and is annually kosher certified as OUP for Passover and the year round.

### Availability

Superior Purified USP Sodium Chloride is available in 80 lb. net weight, multiwall, polylined, kraft paper bags and up to 3170 lb. net wt. one way FIBC bags.

### Storage

To retard caking, Superior Purified USP Sodium Chloride should be stored in a dry, covered area at relative humidities below 75%. Cycling salt through the 75% relative humidity zone will rapidly increase the onset of caking.

### Technical Information

For further product information, contact Technical Manager, U S Salt LLC, PO Box 110, Salt Point Road, Watkins Glen, NY 14891, by phone 607-535-2721 or FAX 607-535-2911.

### Customer Service

For order, pricing, delivery or other service information, contact one of the following Customer Service Offices:

Toll Free 1+888-USA-SALT (872-7258)  
Eastern Sales 814-861-4149

# Product Data

US SALT LLC Watkins Glen, NY 14891

PD 5001

01/2007

### Properties

Chemical

### Guaranteed Analysis

|  |                                    |
|--|------------------------------------|
| Identification                           | Passes Test                        |
| Appearance of Solution                   | Passes Test                        |
| Alkalinity (0.01 N HCl)                  | 0.5 ml (max)                       |
| Loss On Drying                           | 0.5% (max.)                        |
| Arsenic                                  | 1ppm (max)                         |
| Barium (Ba)                              | Passes Test                        |
| Heavy Metals (as Pb)                     | 5 ppm (max.)                       |
| Bromides (Br)                            | 0.010% (max.)                      |
| Iodides (I)                              | Passes Test                        |
| Nitrites                                 | Passes Test                        |
| Phosphates (PO <sub>4</sub> )            | 0.0025% (max.)                     |
| Mg <sup>++</sup> & Alkaline Earth Metals | 0.010% (as Ca <sup>++</sup> )(max) |
| Iron (Fe)                                | 2 ppm (max.)                       |
| Sulfate (SO <sub>4</sub> )               | 0.02% (max.)                       |
| Ferrocyanides                            | Passes Test                        |
| Assay                                    | 99.0 –100.5% dried                 |
| Potassium (K)                            | 0.05% (max.)                       |
| Aluminum                                 | 0.2ug/g (max)                      |
| OVI and Residual Solvents                | Conforms                           |

### Physical

| Sieve Analysis <sup>1</sup> |                 |                  |         |                  |
|-----------------------------|-----------------|------------------|---------|------------------|
| USS Mesh                    | Opening Microns | Percent Retained |         |                  |
|                             |                 | Min <sup>2</sup> | Typical | Max <sup>2</sup> |
| 30                          | 600             | -                | trace   | -                |
| 40                          | 425             | -                | 29      | -                |
| 50                          | 300             | -                | 55      | -                |
| 70                          | 212             | -                | 13      | -                |
| pan                         | -               | 0                | 3       | 8                |

### Other Physical and Functional

| Parameter <sup>1</sup>                             | Units    | Typical or Range |         |                  |
|--|----------|------------------|---------|------------------|
|  |          | Min <sup>2</sup> | Typical | Max <sup>2</sup> |
| Bulk Density                                       | lb/cu ft | 75               | 78      | 81               |
| Caking Resistance <sup>5</sup>                     | months   | -                | 2       | -                |
| Extraneous Matter <sup>6</sup><br>(7CFR 2858.2728) |          | -                | <#1     | #1               |

(1)Analytical methods available on request. (2)Based on +/- 2 standard deviations (3) Moisture free basis (4)Water soluble (5)From date of manufacture, at storage below 75% relative humidity. (6)Based on USDA milk filter pad test adapted for 250 gm salt/liter (with water).

