



Superior TX-10[®] Salt

Description

Superior TX-10[®] Salt is a food grade, cubic crystalline Sodium Chloride of variable particle size distribution. This salt is obtained from underground salt deposits by deep well solution mining. Subsequent evaporation of this brine by the vacuum pan system, under stringent process control, provides the highest purity and minimal insoluble extraneous matter for salt. The food grade anti-caking agent, Yellow Prussiate of Soda, is added in accordance with 21CFR 172.490. When this salt is incorporated into a food product, the additive is considered incidental, non-functional and exempt from label declaration under 21CFR 101.100(a)(3).

Applications

Superior TX-10[®] Salt is recommended for use in a variety of food processing applications, including baking, seasonings and prepared mixes. Superior TX-10[®] Salt can also be used in non-food applications such as a carrier or as chemical and bulking agents in many household and personal care products.

Approved Use

Superior TX-10[®] Salt is generally recognized as safe (GRAS) for use in foods and 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.

Storage/Stability

TX-10[®] Salt is chemically stable indefinitely and does not support microbial growth. To retard caking, it 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. Shelf life is indicative of caking resistance only.

CAS Number: 7647-14-5



Food Safety

CERTIFICATED



Product Data

US SALT LLC 3580 Salt Point Rd., Watkins Glen, NY 14891

PD 5004
01/2023

Properties

Chemical

| Component ¹ | Units | Typical / Range | | |
|---------------------------------------|-------|------------------|---------|------------------|
| | | Min ² | Typical | Max ² |
| Sodium Chloride ³ | % | 99.66 | 99.81 | - |
| Surface Moisture | % | - | 0.01 | 0.02 |
| CaCl ₂ & MgCl ₂ | % | - | 0.04 | 0.08 |
| CaSO ₄ | % | - | 0.15 | 0.26 |
| Calcium ⁴ | % | - | 0.04 | - |
| Sulfate ⁴ | % | - | 0.13 | - |
| Magnesium ⁴ | ppm | - | 27 | - |
| Water Insolubles | ppm | - | 15 | 39 |
| Copper | ppm | - | < 0.2 | - |
| Iron (Free) | ppm | - | 0.5 | - |
| Iron (Complexed) ⁵ | ppm | - | 1.5 | 2.5 |

Guaranteed Analysis

| | |
|------------------------|---------------------|
| Assay | 99.0 – 100.5 % NaCl |
| Calcium & Magnesium | ≤ 0.35 % |
| Loss on Drying | ≤ 0.5 % |
| Sodium Ferrocyanide | 13 ppm (maximum) |
| Heavy Metals (As Lead) | ≤ 2 ppm |
| Arsenic | ≤ 1 ppm |

Physical

| Sieve Analysis ¹ | | | | |
|-----------------------------|-----------------|------------------|---------|------------------|
| USS Mesh | Opening Microns | Percent Retained | | |
| | | Min ² | Typical | Max ² |
| 30 | 600 | 0 | 4 | 10 |
| 40 | 425 | - | 37 | - |
| 50 | 300 | - | 41 | - |
| 70 | 212 | - | 14 | - |
| pan | - | 0 | 4 | 8 |

Other Physical and Functional

| Parameter ¹ | Units | Typical or Range | | |
|-------------------------|----------|------------------|----------------------|------------------|
| | | Min ² | Typical ¹ | Max ² |
| Bulk Density | lb/cu ft | 75 | 79 | 83 |
| Shelf Life ⁶ | months | - | 36 | - |

(1)Analytical methods available on request. (2)Based on +/- 2 standard deviations (3)By difference of impurities, moisture free basis. (4)Water soluble (5)From Yellow Prussiate of Soda – 18% Fe. (6)From date of manufacture, at storage below 75% relative humidity, as caking resistance.

Availability

Superior TX-10® Salt is available in multiwall, polylined, kraft paper bags as well as one-way Flexible Intermediate Bulk Container bags and bulk.

| Size | Code |
|--------|---------|
| 50 lb. | 50004 |
| 80 lb. | 80005 |
| 20 kg. | 300010 |
| 40 kg. | 300020 |
| FIBC | 9000 |
| Bulk | 9900104 |

Packaging

| Unit Dimensions | | |
|-----------------|-----------------|-------------------------|
| Net Wt. (lb) | L x W x H (in) | Cube (ft ³) |
| 50 | 18.25 x 16 x 4 | 0.7 |
| 80 | 22.5 x 18.5 x 4 | 1.0 |
| 44.1 (20 kg.) | 19 x 15 x 4 | 0.7 |
| 88.2 (40 kg.) | 23.5 x 19 x 4.5 | 1.2 |
| 1800 | 35 x 35 x 30 | 21 |
| 2000 | 35 x 35 x 33.5 | 24 |
| 2200 | 35 x 35 x 36 | 26 |
| 2204 | 35 x 35 x 37.5 | 27 |
| 2400 | 35 x 35 x 40 | 28 |
| 3000 | 35 x 35 x 44 | 31 |

| Palletized (Including standard 48" x 40" wood pallet) | | | | | |
|--|-------|---------------|-----------------|----------------------------|-------------------|
| Bag | Tiers | Bag/ Tiers | Bags/ Pallet | Cube (ft ³) | Gross Wt. (lb) |
| 50 lb | 7 | 7 | 49 | 37 | 2534 |
| 80 lb | 6 | 5 | 30 | 37 | 2484 |
| 20 kg | 8 | 7 | 56 | 42 | 2554 |
| 40 kg | 6 | 5 | 30 | 40 | 2730 |
| 1800 lb | | | | 39 | 1870 |
| 2000 lb | | | | 42 | 2070 |
| 2200 lb | | | | 45 | 2270 |
| 2204 lb | | | | 47 | 2274 |
| 2400 lb | | | | 50 | 2470 |
| 3000 lb | | | | 54 | 3070 |

Ingredients: Salt, Yellow Prussiate of Soda

Nutrient Content – Per 100 g

| | |
|-------------------|--------|
| Calories | 0 |
| Protein (g) | 0 |
| Fat (g) | 0 |
| Carbohydrate (g) | 0 |
| Dietary Fiber (g) | 0 |
| Sodium (mg) | 39,300 |
| Sugars | 0 |
| Added Sugars | 0 |
| Vitamin D (µg) | 0 |
| Calcium (mg) | 44 |
| Iron (mg) | 0.25 |
| Potassium (mg) | 17 |

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)

Graphics

