



**Superior TNA-5 Salt**  
Watkins Glen, NY production

**Description**

Superior TNA-5 Salt 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 to provide the highest purity and minimal insoluble extraneous matter for salt. This product has the lowest residual sodium sulfate, calcium and magnesium content of all the US Salt grades. The food grade anticaking 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). Superior TNA-5 Salt is recommended for textile dyeing. This salt dissolves rapidly in either hot or cold water; eliminates dye precipitation; and produces a good color yield, level shades and a soft finish. It can be used in a dye bath when dyeing cotton, rayon, wool or any blend of these fibers in the staple or piece goods. Superior TNA-5 Salt is especially effective with Direct and Naphthol Dyes, by producing excellent crock fastness and clear, brilliant color.

**Approved Use**

Superior TNA-5 Salt 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 TNA-5 Salt is available in 50 lb. and 80 lb. net weight, multiwall, polylined, kraft paper bags, up to 2400 lb. net wt., one way FIBC bags and bulk.

**Storage**

To retard caking, Superior TNA-5 Salt 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

**Ingredients: Salt, Yellow Prussiate of soda**

**Product Data**

US SALT LLC Watkins Glen, NY 14891

**PD 5002**  
**01/2007**

**Properties**

**Chemical**

Component <sup>1</sup>	Units	Typical / Range		
		Min <sup>2</sup>	Typical	Max <sup>2</sup>
Sodium Chloride <sup>3</sup>	%	99.98	99.99	-
Surface Moisture	%	-	0.00	0.01
Calcium <sup>4</sup>	ppm	-	6	13
Magnesium <sup>4</sup>	ppm	-	2	4
Sulfate <sup>4</sup>	ppm	-	45	70
Water Insolubles	ppm	-	5	20
Copper	ppm	-	<0.1	-
Iron (Free)	ppm	-	0.5	1.0
Iron (Complexed) <sup>5</sup>	ppm	-	1.7	2.4

**Guaranteed Analysis**

Yellow Prussiate of Soda	13 ppm (maximum)
Heavy Metals (As Lead)	2 ppm (maximum)
Arsenic	1 ppm (maximum)

**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
Solubility Rate	minutes	-	6.9	-
Caking Resistance <sup>6</sup>	months	-	6	-
Flowability	gm/sec	-	50.5	-
Extraneous Matter <sup>7</sup> (7CFR 2858.2728)		-	<#1	#1

(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. (7)Based on USDA milk filter pad test adapted for 250 gm salt/liter (with water).