

# Product Data Sheets



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## HYGRADE FOOD GRADE SALT

### PRODUCTION LOCATION

Goderich, Ontario

### PRODUCT DESCRIPTION

Food Grade vacuum pan salt which is produced by industry standard solution mining and evaporation process. The salt is washed, filtered, dried, screened, and quality control tested.

Hygrade Salt is manufactured in compliance with all regulations and specifications in the Food and Drug Act and Regulations issued by the Canadian Department of National Health and Welfare, Agriculture and Agri-Food Canada and the Food Chemical Codex. Hygrade Salt is also certified as kosher and pareve for use during Passover and year round.

### TYPICAL SCREEN ANALYSIS

Retained and Cumulative (99.7% Confidence)

| Tyler Mesh | USS Mesh | Open. (mm) | Ret. % | Range % | Cum. % | Range %  |
|------------|----------|------------|--------|---------|--------|----------|
| 20         | 20       | 0.841      | 0.3    | 0 – 1   | 0.3    | 0 – 1    |
| 28         | 30       | 0.595      | 8.7    | 4 – 14  | 9.0    | 4 – 14   |
| 35         | 40       | 0.420      | 24.5   | 14 – 35 | 33.4   | 22 – 44  |
| 48         | 50       | 0.297      | 43.6   | 34 – 54 | 77.1   | 59 – 95  |
| 65         | 70       | 0.210      | 20.2   | 4 – 36  | 97.2   | 93 – 100 |
| 100        | 100      | 0.149      | 2.6    | 0 – 6   | 99.8   | 99 – 100 |
| Pan        | Pan      |            | 0.2    | 0 – 1   | 100.0  |          |

Average Particle Size 0.373 millimeters (39.9 mesh)

### ADMIXTURE

No additives – Pure Salt

| Chemical Analysis - Before admixing (99.7% Confidence) |                                 |     | Typical | Range         |
|--|---------------------------------|-----|---------|---------------|
| Sodium Chloride  | NaCl                            | (%) | 99.86   | 99.82 – 99.89 |
| Calcium Sulphate                                       | CaSO <sub>4</sub>               | (%) | 0.11    | 0.09 – 0.14   |
| Calcium Chloride                                       | CaCl <sub>2</sub>               | (%) | 0.01    | 0.00 – 0.03   |
| Magnesium Chloride                                     | MgCl <sub>2</sub>               | (%) | 0.01    | 0.00 – 0.03   |
| Magnesium Sulphate                                     | MgSO <sub>4</sub>               | (%) | 0.00    | 0.00 – 0.01   |
| Sodium Sulphate  | Na <sub>2</sub> SO <sub>4</sub> | (%) | 0.00    | 0.00 – 0.01   |
| Moisture   |                                 | (%) | 0.05    | 0.00 – 0.10   |
| Water Insolubles                                       |                                 | ppm | 7       | 0 – 28        |
| Calcium  | Ca                              | ppm | 381     | 284 – 477     |
| Magnesium  | Mg                              | ppm | 43      | 10 – 76       |
| Sulphate   | SO <sub>4</sub>                 | ppm | 815     | 657 – 972     |
| Iron   | Fe                              | ppm | 0.3     | 0 – 4         |
| Copper   | Cu                              | ppm | <0.2    | 0.0 – 0.1     |
| Sodium Chloride  | NaCl                            | (%) | 99.86   | 99.82 – 99.89 |

| Product And Pallet Specifications | 20 kg        | 1000 kg      |
|-----------------------------------|--------------|--------------|
|                                   | Poly         | IBC          |
| Pallet Layout (Tiers X Units)     | 8 x 7        | 1            |
| Units per Pallet                  | 56           | 1            |
| Weight per Pallet (kg)            | 1155         | 1035         |
| Height per Pallet (cm)            | 114          | 79           |
| Pallet Volume (m <sup>3</sup> )   | 1.41         | 0.91         |
| Pallet Size (cm)                  | 122 x 102    | 122 x 102    |
| Pallet Weight (kg)                | 30           | 30           |
| Product Dimensions (cm)           | 47 x 36 x 13 | 89 x 89 x 94 |
| Bag Volume (m <sup>3</sup> )      | 0.022        | 0.74         |

### METHOD OF ANALYSIS

American Society for Testing and Materials Procedure E534. All other testing is from Sifto Canada's internal quality control procedures, which are available upon request.

### PHYSICAL PROPERTIES

Shelf Life Three months when stored in dry environment at ambient temperature  
Pad Test 1A or Better  
Fines Modulus 2.96 - 3.38  
Bulk Density 1200 - 1280 kg/m<sup>3</sup> (75 - 80 lbs/ft<sup>3</sup>)  
Date Code PYYMMDDS  
P – Plant D – Date M – Month  
Y – Year S - Shift

| Product Description and Codes | UPC code      | Product Code |
|-------------------------------|---------------|--------------|
| 20 kg poly bag                | 0067568-12440 | 1244N        |
| IBC                           | 0067568-12540 | 1254N        |
| IBC with liner                | 0067568-12550 | 1255N        |
| Bulk                          | 0067568-12530 | 1253N        |