**General Requirement**

Under this Specification, the VENDOR shall furnish sodium chloride (a.k.a. “Salt”) FOB destination to the PURCHASER of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(“PURCHASER”) in accordance with the ANSI/NSF Standard B-200-17 as modified below.

**Delivery Requirements**

VENDOR shall make deliveries within three (3) working days after receipt of order. All deliveries shall be made between the hours of 0630 – 1530 unless prior arrangements have been made with personnel at the Delivery Location(s) (see below).

The VENDOR shall be responsible for any spills resulting from the failure of its or its subcontractor’s delivery equipment or from failure of attendant delivery personnel in the proper performance of their duties. Proper performance shall and knowledgeable response to problems or emergencies, which would most commonly be expected to occur. The PURCHASER reserves the right to refuse any and all deliveries made with equipment that is poorly maintained and/or leaking salt.

The tanks or trailers shall be clean and free of residue that may contaminate the VENDOR’s product or impede the unloading process. It is the VENDOR’s responsibility to verify the cleanliness of the transporting equipment before loading. All appurtenant valves, pumps, blowers and discharge hoses used for the delivery of sodium chloride shall be supplied by the VENDOR and shall be clean and free from contaminating material. The PURCHASER may reject a load if the equipment is not properly cleaned. The VENDOR shall furnish a PURCHASER-approved, leak-free connection device between the trailer and the PURCHASER’s intake receptacle. The VENDOR shall observe any spills caused during the filling operations. The VENDOR shall take immediate and appropriate actions to clean up any spilled sodium chloride. If the spill is not cleaned up, the PURCHASER will hire a certified hazardous material handling company to clean up the spill, and the cost of such service will be charged to the VENDOR and deducted from the amount due to the VENDOR. If the PURCHASER’s unloading equipment such as pipe, valves or level indication and alarms should fail and the spillage is not the fault of the VENDOR or its subcontractor, the VENDOR shall be relieved of cleanup of the spill.

**Delivery Locations**

 Water Treatment Plant

 1234 Main Street

 Busytown, FL XXXXX

 This facility has two 70-ton brine makers.

**Sampling and Test of Shipment after Unloading**

The PURCHASER reserves the right to subject samples of the sodium chloride to complete analyses to ensure that it meets ANSI/AWWA B200-17 specifications and the supplemental specifications included with this document. Should the sodium chloride fail to meet these specifications, the VENDOR shall remove the material from the VENDOR’s tank(s) at its expense and within twelve (12) hours of the removal of the non-standard material shall supply sodium chloride which meets all of the requirements of these specifications. A combination of two failures to comply with these specifications from either rejections of a shipment or from a subsequent complete laboratory analysis shall result in automatic termination of the Contractor’s supply contract of the sodium chloride.

**Specifications of Material**

Sodium Chloride supplied under this contract shall be tested and certified as meeting these specifications and those of the American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF Standard 60), Drinking Water Treatment Chemicals Health Effects.

It is the responsibility of the VENDOR to inform the PURCHASER that NSF or UL certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall constitute sufficient grounds for immediate termination of the contract between the PURCHASER and VENDOR.

Sodium Chloride delivered under this contract shall have a minimum of 99.8% purity on a dry basis. Sodium Chloride shall be a crystalline granular form that is white in color with no visible contamination, impurities, or sediment. Sodium Chloride shall be stored indoors in an enclosed warehouse and not stored outside and subject to the elements.

Sodium Chloride shall meet the following containment concentration limits:

|  |  |  |
| --- | --- | --- |
| **Determination** | **Unit** | **Specification (\*)** |
| Sulfate (as SO4) | (%) | 0.05 Maximum |
| Insoluble Matter (water) | (%) | 0.04 Maximum |
| Calcium (as Ca+3) | (ppm) | 75.0 Maximum |
| Magnesium (as Mg+3) | (ppm) | 35 Maximum |
| Iron (as Fe) | (ppm) | 3.0 Maximum |
| Copper (as Cu) | (ppm) | 0.3 Maximum  |
| Mercury (as Hg) | (ppm) | 0.3 Maximum |
| Silicon (as Si) | (ppm)  | 1.0 Maximum |
| Bromide (as Br) | (ppm) | 6.0 Maximum |
| Strontium (as Sr) | (ppm) | 10.0 Maximum |
| Aluminum (as Al) | (ppm) | 3.0 Maximum |
| Boron (as B) | (ppm) | 2.0 Maximum |
| Chromium (as Cr) | (ppm) | 0.5 Maximum |
| Potassium (as K) | (ppm) | 150 Maximum |
| Manganese (as Mn) | (ppm) | 0.3 Maximum |
| Cobalt (as Co) | (ppm) | 0.5 Maximum |
| Zinc (as Zn) | (ppm) | 0.5 Maximum |
| Moisture  | (%) | 0.25 Maximum |
| Total Impurities  | (%) | 0.2% Maximum |
| Anti-Caking Agent YPS | (ppm) | No Addition |

 (\*) All analysis in aqueous media. Dissolved elements and metals after filtration through 2.5-micron filter.

Sieve Analysis

|  |  |
| --- | --- |
| **USA Sieve (#)** | **Specification (%)** |
| 3/8” | 0 – 5 Retained |
| 4 | 10 – 80 Retained |
| 8 | 30 – 90 Retained |
| 16 | 0 – 60 Retained |
| 30 | 0 – 60 Retained |
| 30 | 0 – 18 Passing |

Testing of Salt is done by dissolving in super pure water, insoluble material is separated by filtration and analyzed gravimetrically after drying. Refer to product testing procedures and methodology (Laboratory Analysis Methodology M.A.L. No. 29) for further details.