

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
SPECIFICATIONS FOR SODIUM CHLORIDE
APRIL 2014

Sodium Chloride Roadway De-Icer:

Sodium chloride Roadway De-Icier supplied under contract shall conform to the requirement of ASTM D632-12, Type 1, GRADE 1.

1. Moisture content shall not exceed 2.0% by weight for Mined Rock Salt
2. All sodium chloride uniformly treated with either of the following anti-caking compounds: Yellow Prussiate of Soda-Sodium Ferro Cyanide or Prussian Blue-Ferric Ferro Cyanide. The anti-caking compound introduced uniformly throughout the sodium chloride at such a rate that a minimum of 20-PPM anti-caking compound is present.
3. Any sodium chloride that is not free-flowing and in usable condition upon arrival at its destination is rejected.
4. Physical Requirements.

Mined Rock Salt Chemical Composition:

Total chloride expressed as NaCL a minimum of 95.0%.

MINED ROCK SALT GRADING:

THE SODIUM CHLORIDE SHALL CONFORM TO THE FOLLOWING PARTICLE SIZE DISTRIBUTION SPECIFICATIONS AS DETERMINED BY LABORATORY SIEVES.

PASSING A ½ "	SIEVE (12.50MM)	100%
PASSING A 3/8"	SIEVE (9.50MM)	95.0% - 100%
PASSING A NO.4	SIEVE (4.75MM)	20.0% - 90.0%
PASSING A NO.8	SIEVE (2.36MM)	10.0% - 60.0%
PASSING A NO. 30	SIEVE (0.60MM)	0.0% - 15.0%

PERMISSIBLE VARIATION IN THE CASE OF SODIUM CHLORIDE SAMPLES AFTER DELIVERY TO THE PURCHASER: TOLERANCE FROM THE FOREGOING SPECIFIED VALUE ALLOWED FOR GRADATION NOT TO EXCEED 5.0 PERCENTAGE POINTS ON EACH SIEVE SIZE EXCEPT THE 12.5 MM, (1/2 IN.) AND 9.5 MM (3/8 IN.).
