

**LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
SPECIFICATIONS**

**SALT  
GRADE 1 AND GRADE 2**

**DESCRIPTION:**

This specification covers the requirements for Grade 1 and Grade 2 sodium chloride (salt) to be used as a deicer on roadways and during applicable road maintenance.

**GENERAL REQUIREMENTS:**

Material must meet the most recent requirements in effect for test method ASTM D632. Upon receipt, salt shall be free-flowing and in usable condition and meet the requirements specified herein.

**MATERIAL MASTER NUMBERS:**

**Grade 1:**

SAP Material Master Number **11669** (24-76-7501) - 50 LB Sack (Bag)/Container  
SAP Material Master Number **11668** (24-76-7500) - 80 LB Sack (Bag)/Container  
SAP Material Master Number **50840** - 2,000 LB Sack (Super Sack)  
SAP Material Master Number **51480** - Bulk

**Grade 2:**

SAP Material Master Number **50320** - 50 LB Sack (Bag)/Container  
SAP Material Master Number **50310** - 80 LB Sack (Bag)/Container  
SAP Material Master Number **50841** - 2,000 LB Sack (Super Sack)  
SAP Material Master Number **51481** - Bulk

**IDENTIFICATION MARKINGS:**

Sack (Bag/Super Sack) and/or container must be legibly labeled with the following information:

- Name of the producer/manufacturer
- Net weight of the sack (bag/super sack) /container
- Grade and name of contents (Grade 1 Salt/Grade 2 Salt)

Shipping/pick-up report for bulk orders must provide the following information:

- Name of the producer/manufacturer
- Net weight of order
- Grade and name of material received (Grade 1 Salt/Grade 2 Salt)

**PACKAGING:**

Salt shall be supplied in sack (bag), containers or in bulk lots as specified.

50 LB and 80 LB sack (bag) or container shall be moisture proof.

2,000 LB sack (super sack) shall be moisture proof, tear resistant with a minimum capacity of 2,000 pounds. Each super sack must come complete with a duffle top, bottom spout, and attached lift straps. Sack shall be designed in a manner that allows them to be repeatedly lifted and moved via a forklift by way of the lift straps and securely stacked when loaded to full capacity.

**SAMPLING:**

Acceptance will be based on visual inspection.

Material will be sampled and tested in accordance with the requirements of ASTM D632 only if the quality of the material is in doubt.

Sample size will depend on the type of packaging supplied. A one (1) quart sample will be taken at random from a 50 LB or 80 LB supply. A 50-pound sample will be taken at random from a 2,000 LB or bulk lot supply.

Test methods shall be the latest in effect.

PROPERTY	ASTM TEST METHOD	REQUIREMENTS	
		Grade 1	Grade 2
Sodium Chloride, % by wt, min.	E 534	95.0	95.0
Sieve Analysis, % Passing	C136		
3/4 inch		--	100
1/2 inch		100	--
3/8 inch		95 – 100	--
No. 4 <sup>1</sup>		20 – 90	20 – 100
No. 8 <sup>1</sup>		10 – 60	10 – 60
No. 30 <sup>1</sup>		0 - 15	0 – 15

<sup>1</sup> When testing is performed by the purchaser allow 5 percentage points on the maximum value for these sieve sizes.