

## PRODUCT SPECIFICATION

**FORMULA:** (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>

**Respective Specification Numbers:** 630-01300, 630-01001, 630-01100, 630-01205

**MOLECULAR WEIGHT:** 132.14

PARAMETERS	VALUE	UNIT
Ammonia Nitrate (as N), %	21 min.	QAAMSU-0001
Sulfur (as S), %	24 min.	QAAMSU-0002
Free Acidity (as H <sub>2</sub> SO <sub>4</sub> ), %	0.1 max.	QAAMSU-0003
Moisture + Anticaking Agent, % (Mid- and Granular Grades Only)	1.0 max.	QAAMSU-0006
Moisture, % (Soluble and Standard Grades Only)	0.5 max.	QAAMSU-0004
Size Guide Number (SGN; Granular Grade Only)	200 min.	QAAMSU-0007
Size Guide Number (Mid-Grade Grade Only)	140 min.	QAAMSU-0007

### Typical Particle Size Distribution (PSD); Soluble and Standard Grades

SOLUBLE GRADE			STANDARD GRADE			TEST METHOD
PARAMETERS	AVERAGE	RANGE	PARAMETERS	AVERAGE	RANGE	
% Cumulative On: Tyler No			% Cumulative On: Tyler No			QAAMSU-0007
6	0	0-0	6	0.4	0-5	
12	1	0-5	10	21	5-40	
14	14	5-25	12	40	15-65	
16	40	20-60	14	59	30-85	
24	73	50-90	24	88	70-100	
35	92	85-100	35	96	85-100	
-35	8	0-15	65	99	95-100	
Average SGN	91	70-110	Average SGN	128	90-160	
Average Uniformity Index (UI)	27	23-31	Average Uniformity Index (UI)	22	10-40	
Average Bulk Density, lb/ft <sup>3</sup>	64	62-66	Average Bulk Density, lb/ft <sup>3</sup>	65	62-68	QAAMSU-0012

Note: Typical range represents ± 2 standard deviations. PSD is not a product release specification. Specification values shown are those at time of shipment as determined by test methods cited. The information contained herein is believed reliable, but no warranty is given

## Typical PSD: Mid-Grade and Granular Grades

MID-GRADE			GRANULAR GRADE			TEST METHOD
PARAMETERS	AVERAGE	RANGE	PARAMETERS	AVERAGE	RANGE	
<b>% Cumulative On: Tyler No</b>			<b>% Cumulative On: Tyler No</b>			QAAMSU-0007
<b>6</b>	0	0-1	<b>6</b>	11	0-25	
<b>8</b>	1	0-3	<b>8</b>	47	15-75	
<b>9</b>	5	0-12	<b>9</b>	74	50-95	
<b>10</b>	28	10-50	<b>10</b>	90	75-100	
<b>12</b>	74	60-90	<b>12</b>	97	90-100	
<b>14</b>	94	85-100	<b>14</b>	99	95-100	
<b>16</b>	98	95-100				
<b>Average SGN</b>	156	140-165	<b>Average SGN</b>	235	200-280	
<b>Average Uniformity Index (UI)</b>	60	50-65	<b>Average Uniformity Index (UI)</b>	48	35-55	
<b>Average Bulk Density, lb/ft<sup>3</sup></b>	65	63-67	<b>Average Bulk Density, lb/ft<sup>3</sup></b>	65	63-67	QAAMSU-0012

Note: Typical range represents  $\pm 2$  standard deviations. PSD is not a product release specification. Specification values shown are those at time of shipment as determined by test methods cited. The information contained herein is believed reliable, but no warranty is given

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### CONTACT ADVANSIX

Contact AdvanSix to learn more about the benefits of Sulf-N® Ammonium Sulfate.

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