

PLANT NUTRIENTS

Sulf-N[®] Ammonium Sulfate

Soluble, Standard, Mid- and Granular Grades – Treated

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

Product Specification

FORMULA: (NH₄)₂SO₄

MOLECULAR WEIGHT: 132.14

Parameters	Value	Test Method
Ammonia Nitrogen (as N), %	21 min.	QAAMSU-0001
Sulfur (as S), %	24 min.	QAAMSU-0002
Free Acidity (as H ₂ SO ₄), %	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 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 UI	22	10-40	
Average Bulk Density, lb/ft ³	64	62-66	Average Bulk Density, lb/ft ³	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.

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Typical PSD: Mid-Grade and Granular Grades

Mid-Grade			Granular Grade			Test Method
Parameters	Average	Range	Parameters	Average	Range	
% Cumulative On: Tyler No.			% Cumulative On: Tyler No.			QAAMSU-0007
6	0	0-1	6	11	0-25	
8	1	0-3	8	47	15-75	
9	5	0-12	9	74	50-95	
10	28	10-50	10	90	75-100	
12	74	60-90	12	97	90-100	
14	94	85-100	14	99	95-100	
16	98	95-100				
Average SGN	156	140-165	Average SGN	235	200-280	
Average UI	60	50-65	Average UI	48	35-55	
Average Bulk Density, lb/ft³	65	63-67	Average Bulk Density, lb/ft³	65	63-67	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.

Contact AdvanSix

To learn more about the benefits of Sulf-N® Ammonium Sulfate, visit AdvanSix.com or SulfN.com or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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