Hopewell
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AdvanSix.com

Certificate of Conformance for SULF-N® Ammonium Sulfate

PRODUCT	SULF-N® Ammonium Sulfate
PRODUCT GRADE	Standard, Treated
SOURCE	By-product of ε-caprolactam production process
FORMULA	$(NH_4)_2SO_4$
MOLECULAR WEIGHT	132.14 g/mol
ODOR	Slight ammonia odor
APPEARANCE	Light to dark brown crystals

TYPICAL ANALYSES:

Component	Percentage	Test Method
Assay (as $(NH_4)_2SO_4$), %	99 min	Calculation[1]
Ammonia Nitrogen (as N), %	21 min	QAAMSU-0001
Sulfur (as S), %	24 min	QAAMSU-0002
Free Acidity (as H_2SO_4),%	0.1 max	QAAMSU-0003
Moisture, %	0.5 max	QAAMSU-0022

TYPICAL PARTICLE SIZE DISTRIBUTION (PSD):[2]

% Cumulative On:	Average	Lower Limit	Upper Limit	Test Method
Tyler No. 6	0	0	5	QAAMSU-0007
10	21	5	40	
12	40	15	65	
14	59	30	85	
24	88	70	100	
35	96	85	100	
% Retained On:				
Tyler No. -35	4	0	15	
SGN	128	90	160	QAAMSU-0007
UI	22	10	40	
Average Bulk Density, lb/ft^3	65	62	68	QAAMSU-0012

[1]*Note: Assay is calculated from stoichiometry based on the sulfur content.*

[2]*Note: Particle size distribution (PSD) is based on the analysis at the time of product loading at the AdvanSix Hopewell, Virginia facility. Values shown above are those at time of shipment as determined by the test method indicated. The information contained herein is believed reliable, but no warranty is given. Product quality may be affected by subsequent product handling processes.*

October 21, 2021

Dale R. Nesselrodt, Ph.D.
Quality Assurance Leader
Hopewell Plant