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SPECIFICATION SHEET SODIUM BISULFATE (Dry Acid)

PROPERTIES:

Common Names	Sodium Bisulfate (Dry Acid), Sodium Hydrogen Sulfate, Sodium Acid Sulfate, Nitre Cake	
Physical Form	Dry (Anhydrous), crystalline solid, spherical shape (bead) approx 0.75mm diameter (1/32in.)	
Solubility	Material is readily soluble in water	
pH of a 5% Aqueous Solution	1.0 pH	

TYPICAL ANALYSIS:

	<u>Typical</u>	<u>Range</u>
Assay, as NaHSO ₄ Wt %	93.2	90.5 to 95.5
Sodium Sulfate as Na ₂ SO ₄ Wt %	6.5	9.3 to 4.0
Moisture as H ₂ O Wt %	0.2	0.2 to 0.5
Iron as Fe, Wt%	0.002	0.001 to 0.075
Free Acid, as H ₂ SO ₄	Nil	Nil
Acidity as H ₂ SO ₄ , Wt%	38.1	37.0 to 39.0
Colour	Off-white	Off-white (light yellow)
Bulk Density, Loose	82 to 84lbs./cu.ft	80 to 85lbs./cu.ft

Particle-Size

1. Non-cumulative
USS Screen

	<u>Opening Microns</u>	<u>Typical</u>	<u>Range</u>
On 10	On 2000,	Wt.% 0.0	0.0 to 0.1
Through 10 on 20	Through 2000 on 841	Wt.% 39.0	30 to 80
Through 20 on 40	Through 841 on 420	Wt.% 55.0	10 to 60
Through 40 on 60	Through 420 on 250	Wt.% 5.0	1 to 9
Through 60 on 100	Through 250 on 149	Wt.% 0.8	0.2 to 1
Through 100	Through 149	Wt.% 0.2	0 to 0.3

2. Cumulative
USS Screen

	<u>Opening Microns</u>	<u>Typical</u>	<u>Range</u>
On 10	on 2000	Wt.% 0.0	0.0 to 0.1
On 20	on 841	Wt.% 39.0	30 to 80
On 40	on 420	Wt.% 94.0	85 to 95.8
On 60	on 250	Wt.% 99.0	90 to 99.8
On 100	on 149	Wt.% 99.8	98.7 to 100
Through 100	Through 149	Wt.% 0.2	0 to 0.3