

DATA SHEET
Sodium Bisulfate, Anhydrous Globular, Technical

Properties:

Formula	NaHSO ₄ – Molecular Weight 120
Physical Form	Dry crystalline solid. Spherical shape bead approximately 0.75 mm diameter.
Solubility	Material is readily soluble in water.
pH of a 5% Aqueous Solution	1.0 pH

Analysis:

	<u>Typical</u>	<u>Range</u>
Assay (% NaHSO ₄)	93.2	91.5 – 94.7
Sodium Sulfate (% Na ₂ SO ₄)	6.5	4.8 – 8.0
Acidity (% H ₂ SO ₄)	38.1	37.4 – 38.7
Moisture (% H ₂ O)	0.2	0.1 – 0.5
Water-Insoluble Substances (%)	0.02	0.01 – 0.05
Color	Off-White	Off-white to light yellow
Chloride (ppm)	500	50 – 700
Heavy metals (ppm)	1	ND – 5
Iron (ppm)	20	10 – 75
Bulk Density, Loose	82 – 84 lbs/cu. ft. 1.32 – 1.35 g/cc	80 – 85 lbs/cu. ft. 1.28 – 1.37 g/cc

Particle Size: US Standard Screen (weight %)

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

<u>Non-Cumulative</u>	<u>Microns</u>	<u>Typical</u>	<u>Range</u>
On 10 mesh	On 2000	0.0	0 to 0.1
Thru 10, on 20 mesh	Thru 2000, on 841	39.0	30 to 80
Thru 20, on 40 mesh	Thru 841, on 420	55.0	10 to 60
Thru 40, on 60 mesh	Thru 420, on 250	5.0	1 to 9
Thru 60, on 100 mesh	Thru 250, on 149	0.8	0.2 to 1
Thru 100 mesh	Thru 149	0.2	0 to 0.3