

**PRODUCT DATA SHEET**  
**Sodium Bisulfate, Anhydrous, Technical Grade**

**Properties**

*Formula:* NaHSO<sub>4</sub> – Molecular weight is 120.06 CAS No.: 7681-38-1  
*Physical form:* White to off-white odorless granules.  
*Solubility:* Soluble in water. *pH of a 5% aqueous solution:* Approximately 1.0

<b><u>Parameter</u></b>	<b><u>Typical</u></b>	<b><u>Specification Range</u></b>
Assay (wt. % NaHSO <sub>4</sub> )	94.4	92.0 – 95.2
Inerts / Sodium Sulfate (wt. % Na <sub>2</sub> SO <sub>4</sub> )	5.4	4.2 – 8.0
Loss on Drying / Moisture, as water (wt. %)	0.2	< 0.6
Color	White to Off-White	White to Off-White
Bulk density, loose (lbs./ft <sup>3</sup> )	85	81 – 89 *
(g/cc)	1.4	1.3 – 1.4 *
Chloride (ppm)	300	< 800
Iron (mg/kg)	10	< 20
Water-insoluble substances (wt. %)	< 0.01	< 0.05
<b><u>Trace Elements</u></b>		<b><u>Specification Range</u></b>
Arsenic (mg/kg)		< 0.3
Lead (mg/kg)		< 1.0
Mercury (mg/kg)		< 0.005
Selenium (mg/kg)		< 2.5
<b><u>Particle size, US Standard Screen (wt. %)</u></b>	<b><u>Typical</u></b>	<b><u>Range</u></b>
On 20 mesh / On 850 uM	40	20 – 61 *
On 40 mesh / On 425 uM	51	38 – 65 *
On 60 mesh / On 250 uM	8	0 – 18 *
On 100 mesh / On 150 uM	0.5	0 – 1.3 *
Thru 100 mesh / 150uM / On Pan	0.2	0 – 0.7 *

*\*Ranges determined using +/- 2 standard deviations.*

**Additional Information**

- NSF/ANSI Standard 60: Function – Corrosion and scale control, pH adjustment; maximum use rate = 500 mg/L
- The shelf life of this product is 3 years from the manufactured date.
- Sodium Bisulfate is produced following a Quality Management System certified to the ISO 9001:2008 Standard.

**Jones-Hamilton Co.**

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