

## TECHNICAL DATA SHEET (TDS)

Product Name: **Sodium Selenite**  
( $\text{Na}_2\text{SeO}_3$ )

Grade: Laboratory Grade

Catalog Number: **ASC-8015**

### 1. Product Identification

Product Name	Sodium Selenite
Chemical Name	Disodium Selenite
Molecular Formula	$\text{Na}_2\text{SeO}_3$
Molecular Weight	172.94 g/mol
CAS Number	10102-18-8
MDL Number	MFCD00003489
PubChem CID	310280155
HS Code (Typical)	2842.90
Grade	Laboratory Grade
Appearance	White to light brown / grey crystalline powder
Solubility	Soluble in water
pH (5% solution)	8.5 – 10.5

### 2. Typical Applications

- Laboratory and analytical research
- Selenium chemistry and redox studies
- Industrial formulation development
- Materials and inorganic chemistry research

### 3. Typical Specifications

Assay ( $\text{Na}_2\text{SeO}_3$ )	≥ 98%
Selenium (Se)	≥ 45.5%
Lead (Pb)	≤ 20 ppm
Arsenic (As)	≤ 10 ppm
Cadmium (Cd)	≤ 5 ppm
Mercury (Hg)	≤ 0.1 ppm
Loss on Drying	≤ 0.5%

### 4. Storage & Handling

Store at 15–25 °C in a dry, well-ventilated area.

Keep container tightly closed and protect from moisture and light.

Use appropriate laboratory safety procedures.

### 5. Intended Use

For laboratory and industrial research use only.

Not for food, dietary supplement,  
pharmaceutical, diagnostic, or veterinary use.