

Agricultural Sulphur

Sulphur for agricultural and industrial applications

Product Description

High purity sulphur used as fertilizer and in various industrial processes.

Certificate of Analysis

HSN Code: 2503.00

CAS Number: 7704-34-9

Classification: Non-Hazardous (Combustible)

Parameter	Specification	Test Method
Sulphur Content (as S)	"e 99.5 %	Gravimetric / XRF
Moisture Content (at 105 °C)	"d 0.5 %	Oven drying
Ash Content	"d 0.1 %	Gravimetric
Acidity (as H2SO4)	"d 0.002 %	Titrimetric
pH (10% slurry, 25 °C)	6.0 – 8.0	pH meter
Particle Size (for micronized grade)	90 % passing through 150 mesh	Sieve analysis
Bulk Density	0.7 – 1.2 g/cm3	Tapped density
Water Insoluble Matter	"d 0.05 %	Gravimetric
Color (visual)	Bright yellow	Visual
Purity (Total sulphur)	"e 99.5 %	Gravimetric
Heavy Metals (as Pb)	"d 0.001 %	AAS
Arsenic (As)	"d 0.0005 %	AAS
Iron (Fe)	"d 0.01 %	AAS
Chloride (as Cl ⁻)	"d 0.02 %	Ion Chromatography

Physical Properties

Appearance: Bright yellow fine powder or granules, uniform in color and texture

Odor: Faint characteristic odor

Molecular Formula: S

Molecular Weight: 32.06 g/mol

Solubility: Insoluble in water; soluble in carbon disulfide

Density: 2.07 g/cm³

Melting Point: 115°C

Packing: 25 kg / 50 kg HDPE laminated bags, 500 kg / 1000 kg FIBCs

Storage: Store in a cool, dry, well-ventilated area away from heat, sparks, or open flame

Safety & Handling

PPE: Gloves, mask, and goggles

Hazards:

- Combustible solid
- May form explosive dust-air mixtures