

STANDARD SPECIFICATION OF SULPHUR

Sulphur

Color: Bright yellow when solid (No dark particles visible)

Purity: 99.8% by weight minimum, dry basis.

S Content: 10 ppm by weight, maximum (0.01%)

Moisture Content: 0.60% by weight maximum

Ash: 300 – ppm – by – weight, maximum (0.03%)

Organic matter: 500 ppm by weight, maximum (0.05%)

Size: 2mm – 6mm

Bulk Density: Minimum 1040 Kg/m³ (loose)

Bulk Density: Minimum 1200 Kg/m³ (packed)

Acidity as H₂SO₄: 50. ppm by weight, maximum (0.005%)

Chloride as Cl friability Test: 5.0 ppm by weight, maximum (0.0005%)

Less than 1% of fines (-50 mesh material) generated under standard stress level;
Less than 2% fines generated under standard stress level II test;

Compaction: Direct shear test and dynamic loading:

Fines generated after direct shear test under static loading of 165 kPa (Approximately 15 meter stockpile) not to exceed 0.2% fines by weight.

Fines generated after direct shear test under dynamic loading at 165 kPa not to exceed 0.5% fines by weight.

Solid Sulfur Granule Size Distribution: Less than 5% to be retained on a 6.3 mm screen.

A minimum of 75% of material to pass through a no. 3 1/2 U.S. screen (5.6mm);

A minimum of 75% of material to be retained on a No. 7 U.S. screen (2.80mm);

Less than 2% to pass through a No. 16 U.S. screen (1.00mm);

Less than 0.5% to pass through a No. 50 U.S. screen (300mm);

Angle of Repose: Not less than 25"

