Granular sulfur

Yellow granules of elemental sulfur for industrial processing.

S / CAS 7704-34-9



Product illustration

Grade 9995 properties

Reference profile from STO 05766480-008-2011, amendment 1. The agreed supply specification sets the order requirements. The certificate of analysis (COA) gives the results for the individual lot.

Property	Reference value	Reporting basis
Sulfur content	**≥ 99.95 %**	Dry basis
Ash content	**≤ 0.03 %**	Dry basis
Organic matter	**≤ 0.03 %**	Dry basis
Acidity expressed as H_2SO_4	**≤ 0.003 %**	Dry basis
Moisture content	**Must be measured**	No limit specified
Granules in the 2–5 mm range	**≥ 92 %**	Sample mass fraction
Bulk density	**1.1–1.3 g/cm³**	Mass per bulk volume

The parties may agree different granule properties, including bulk density.



Applications

Feedstock for sulfuric acid production, including acid used in phosphate fertilizer plants. For a sulfur melter, sieve distribution and fines after transfer are important receiving criteria.



Packaging and receipt

FIBCs for container loads or loose bulk for equipped terminals. An enquiry should state tonnage, discharge point, net weight per bag and sampling point. Request the safety data sheet (SDS) for cargo handling.

Technical reference

CTO 05766480-008-2011

Applications · USGS

Sales enquiries

sales@stsgroupchemical.com