

GRANULAR SULPHUR — ELEMENTAL SULPHUR, MIN. 99.8 % PURITY

Document Reference	ATB-TDS-SUL-2026-001
Revision / Date	Rev. 00 — 28 August 2026
Product Name	Granular Sulphur (Elemental Sulphur, Formed / Granulated)
Chemical Name / Formula	Sulphur — S (S ₈)
CAS No. / EC No.	7704-34-9 / 231-722-6
Grade	Bright yellow granular, industrial / fertilizer grade
Supplier	ATABAŞ GLOBAL DIŞ TİCARET ANONİM ŞİRKETİ, İstanbul, Türkiye
Country of Origin	As stated in the Sales Contract and the Certificate of Origin issued for each shipment

1. PRODUCT DESCRIPTION

ATABAŞ Granular Sulphur is elemental sulphur recovered from natural gas and crude oil processing (Claus recovery) and subsequently formed into dry, free-flowing granules. The product is bright yellow, of high purity and low ash, acidity and moisture content, and is supplied for use as a raw material in sulphuric acid manufacture, phosphate and sulphate fertilizer production, and a wide range of industrial applications.

The specification and typical values below are stated on the basis of the independent laboratory analysis referenced in Section 3. Values from the producer's Certificate of Quality (CoQ) for each shipment prevail for contractual purposes.

2. SPECIFICATION AND TYPICAL ANALYSIS

No.	Parameter	Test Method	Unit	Guaranteed Limit	Typical Result*
1	Sulphur content (purity), dry basis	Calculated	% wt	99.80 min.	99.90
2	Ash content	ISO 3425:1975	% wt	0.030 max.	< 0.010
3	Acidity (as H ₂ SO ₄)	ISO 3704:1976	% wt	0.230 max.	0.060
4	Moisture	ISO 3426:1975	% wt	2.000 max.	0.300
5	Iron (Fe)	ICP	ppm	30.00 max.	1.51
6	Sodium chloride (NaCl)	TS 2832/T1:2005	ppm	82.5 max.	< 10.0

** Typical results as reported in ITS Caleb Brett Deniz Survey A.Ş. (Intertek), İskenderun Laboratory — Analytical Report No. 38042-26, Sample ID ISK06618-26, Order No. ISK06542-26, Analysis Date 21 July 2026. Guaranteed limits correspond to the acceptance limits applied in the same report. The typical results relate to the analysed sample and are given for information; they do not constitute a guarantee for any individual shipment.*

3. REFERENCE ANALYSIS

Laboratory	ITS Caleb Brett Deniz Survey A.Ş. (Intertek Group) — İskenderun Laboratory, Nardüzü Mah., Arsuz / Hatay, Türkiye
Report No. / Record No.	38042-26 / Kayıt No. M11-26
Sample ID / Order No.	ISK06618-26 / ISK06542-26
Sample of	Sulphur — 1 Lt sample drawn and delivered by ATABAŞ GLOBAL
Sample Date / Receipt / Analysis	14 July 2026 / 17 July 2026 / 21 July 2026
Approved by	Laboratory Manager, ITS Caleb Brett Deniz Survey A.Ş.

4. PHYSICAL AND CHEMICAL PROPERTIES (GENERAL DATA FOR ELEMENTAL SULPHUR)

Property	Value
Appearance	Bright yellow, dry, free-flowing granules; odourless (faint characteristic odour may be present)
Physical form	Formed / granulated solid (pastilles, prills or granules as per producer's process)
Granule size	As per producer's Certificate of Quality (typically 2–6 mm, where available)
Melting point	approx. 115–120 °C
Boiling point	approx. 444.6 °C
Bulk density	approx. 1.1–1.3 t/m ³ (granular, loose)
Specific gravity (solid)	approx. 2.07 g/cm ³ at 20 °C
Flash point	approx. 168 °C (closed cup)
Auto-ignition temperature	approx. 232 °C (solid); sulphur dust clouds may ignite at lower temperatures
Solubility	Insoluble in water; soluble in carbon disulphide
Stowage factor	approx. 0.85–1.0 m ³ /MT (bulk, indicative — subject to actual cargo)

5. APPLICATIONS

- Manufacture of sulphuric acid (contact process) — principal industrial use.
- Production of phosphate fertilizers (DAP, MAP, TSP, SSP) and ammonium sulphate; direct use as a soil sulphur source.
- Ore leaching and hydrometallurgy (copper, nickel, uranium); rubber vulcanisation; pulp and paper; explosives; matches; pharmaceuticals; fungicides and agrochemicals.

6. PACKING AND DELIVERY

Packing Option	Description
Bulk	Loaded in bulk to vessel holds, rail wagons or trucks; suitable for handling by grab, conveyor or front-end loader
Jumbo bags (FIBC)	1,000 kg (1.0 MT) polypropylene big bags, palletised or loose as agreed
Small bags	50 kg PP woven bags, where required
Shipping documents	Commercial Invoice, Packing List, Bill of Lading / CMR, Certificate of Origin, producer's Certificate of Quality; independent surveyor (e.g. SGS / Intertek) quality & quantity certificate where contracted

Quantities, delivery terms (Incoterms® 2020), loading port and payment conditions are governed by the relevant Sales Contract. EUR.1 movement certificate can be issued only where required and applicable.

7. STORAGE AND HANDLING

- Store in a dry, well-ventilated area away from oxidising agents, heat sources, sparks and open flames. Keep away from strong oxidisers, chlorates, nitrates, halogens and finely divided metals.
- Sulphur is a combustible solid (UN 1350, Class 4.1). Sulphur dust can form explosive mixtures with air — avoid dust generation and accumulation; use spark-proof equipment and ensure bonding/earthing during transfer.
- Moist sulphur is mildly corrosive to steel; bulk stockpiles should be kept on impermeable pads and covered where practicable.
- Use appropriate PPE (dust mask, goggles, gloves). Refer to Safety Data Sheet ATB-SDS-SUL-2026-001 for full safety information.



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of which it is the official supplier



8. QUALITY ASSURANCE

Each shipment is delivered with the producer's Certificate of Quality. Where contractually agreed, quality and quantity are determined at load port by an independent inspection company and the surveyor's certificate is final and binding for settlement purposes. ATABAŞ GLOBAL operates under ISO management system certifications; full certificate details are available on request.

SANCTIONS AND TRADE COMPLIANCE

ATABAŞ GLOBAL DIŞ TİCARET ANONİM ŞİRKETİ conducts its business in full compliance with the economic and trade sanctions regimes administered by the United States (OFAC), the European Union, the United Kingdom (OFSI) and the United Nations Security Council. ATABAŞ does not work with sanctioned countries, sanctioned companies, sanctioned individuals or sanctioned vessels, and does not supply, source, finance or transport goods in breach of these regimes. All counterparties are subject to Know-Your-Customer and sanctions screening before contract signature and throughout performance.

9. DISCLAIMER

This Technical Data Sheet is prepared with reference to independent laboratory analysis and generally available technical data for elemental sulphur. The information is provided in good faith and is believed to be accurate at the date of issue, but no warranty, express or implied, is given as to its completeness or fitness for a particular purpose. Producer certifications and regulatory registrations are stated only where verified by ATABAŞ GLOBAL. Users must verify suitability for their own application and comply with all applicable laws and regulations. Contractual specifications are those stated in the Sales Contract.

Issued by	Position	Date	Signature / Stamp
ATABAŞ GLOBAL DIŞ TİCARET ANONİM ŞİRKETİ	Quality & Technical Department	28 August 2026	



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