ORIENTA TRADING

METALS | COMMODITIES | GLOBAL SOURCING

Istanbul, Turkiye & Hainan, China

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Commercial Metals & Commodities Trading Desk

CERTIFICATE OF ANALYSIS & QUALITY (COA) - INDUSTRIAL COMMODITIES

CERTIFICATE REF: OT-COA-SULPH-9997-20261028 | DATE OF ISSUE: 28 OCT 2026 | ORIGINAL ISSUE

EN 10204 3.1 COMPLIANT

COMMODITY NAME:	Bright Yellow Granular Sulphur (S) - Pure Mineral Grade	**INSPECTION AGENCY:**	SGS / CCIC Load Port Audit
INTENDED USAGE:	Sulfuric Acid (H2SO4) Plant, Phosphate Fertilizer (SSP/DAP) Manufacturing	**SAMPLING METHOD:**	ISO 13909 Draft Survey & Comp.
COMMERCIAL PURITY:	Minimum 99.97% Sulphur Content on Dry Basis	**VESSEL / BATCH NO:**	BATCH-SUL-2026-B91
TESTING STANDARDS:	ASTM D4239 / ISO 19579 / ISO 3704 / UOP-163 Standard Methods	**DELIVERY BASIS:**	FOB / CFR Incoterms 2020
PACKAGING & FORM:	Bulk Vessel Holds (5,000-25,000 MT) / 1,000 kg Jumbo Bag / Bagged Solution	**SAMPLE STATUS:**	Representative Bulk Sample
DISCHARGE PORTS:	Mersin Port / Iskenderun / Izmit Bay / Casablanca / Alexandria / CFR Deliveries		

1. CHEMICAL COMPOSITION & CERTIFIED PURITY ANALYSIS (DRY BASIS)

Parameter / Element	Testing Method	Guaranteed Specification	Actual Lab Result
Purity (Sulphur, S) Dry Basis	ISO 19579 / ASTM D4239	Min. 99.97 % wt	**99.98 % wt**
Moisture (H2O)	ISO 3704 / Gravimetric	Max. 0.50 % wt	**0.18 % wt**
Ash Content	ASTM D482	Max. 0.030 % wt	**0.012 % wt**
Carbon Content (Hydrocarbons)	ASTM D5291	Max. 0.050 % wt	**0.021 % wt**
Acidity (calculated as H2SO4)	ISO 3704 / Titrimetric	Max. 0.0030 % wt	**0.0016 % wt**
Arsenic (As)	ICP-OES Spectrometry	Max. 1.0 ppm	**< 0.5 ppm**
Selenium (Se) & Tellurium (Te)	ICP-OES Spectrometry	Max. 1.0 ppm	**< 0.5 ppm**

2. MECHANICAL GRANULOMETRY & PARTICLE SIZE DISTRIBUTION (PSD)

- **Particle Size Range (2.0 mm to 6.0 mm):** 96.4 % (Guaranteed: Min. 90.0 % within standard mesh size)
- **Oversize (> 6.0 mm):** 2.1 % (Guaranteed: Max. 4.0 %)
- **Fines / Undersize (< 1.18 mm):** 1.5 % (Guaranteed: Max. 2.0 % to prevent dust and cake formation)
- **Bulk Density (Loose):** 1.15 to 1.25 MT / m3 (Average 1.20 MT / m3)
- **Physical Appearance:** Bright luminous yellow, free-flowing spherical granules, odorless at ambient temperature.

3. PRE-SHIPMENT SURVEY & QUALITY CONFIRMATION DECLARATION

Orienta Trading hereby certifies that the consignment of Granular Sulphur has been sampled during vessel loading / bagging operations in full compliance with ISO 13909 procedures. Composite laboratory testing verifies that all chemical composition parameters, moisture thresholds, and mechanical granulometry meet or exceed contract specifications.

INDEPENDENT SURVEY VERIFIED

Surveyor: SGS / CCIC Load Port Inspection
Commodity: Granular Sulphur (Purity 99.98% Actual)
Lot Status: CLEAN, DRY, FREE-FLOWING
Draft Survey Weight: Certified on B/L

Status: PASSED FOR DISCHARGE & EXPORT

COMMODITY TRADING DESK:

Commercial Operations Desk
Orienta Metal Dis Ticaret San. Ltd. Sti.
Bulk Commodity Trading Desk

Official Seal / Certified Load Port Analysis

AUTHENTICITY & LEGAL NOTICE:

This document summarizes metallurgical inspection, laboratory test results and mill compliance data for the specified heat / lot. Mill Test Certificates according to EN 10204 3.1 and independent pre-shipment reports (SGS / CCIC) are provided with physical shipment.

AUTHORIZED SIGNATURE & STAMP

ORIENTA COMMERCIAL DESK
DOCUMENTATION VERIFIED
Date: 28 OCT 2026