



PRODUCT TECHNICAL DATA SHEET

Egyptian Rock Phosphate

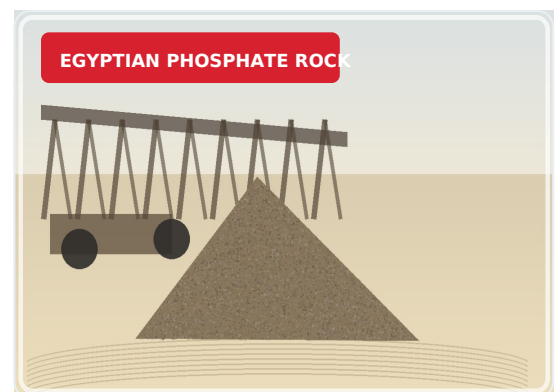
Natural phosphatic mineral raw material for fertilizer, phosphoric acid, agricultural and industrial buyers.

P2O5 21-30% RANGE

POWDER + LUMPS

COA-BASED ACCEPTANCE

TAS Flowrance Group presents Egyptian rock phosphate for international B2B buyers requiring a clear grade range, product form, particle-size discussion, export packing and shipment-specific quality control. Final supply values are controlled by the current lot COA and signed commercial specification.



Product identity and commercial profile

Product name	Egyptian Rock Phosphate
Category	Natural phosphate mineral / phosphorite
Commercial grades	P2O5 21-30% discussion range, subject to availability
Supply forms	Powder, crushed material and lumps
Primary uses	Fertilizer manufacture, phosphoric acid and industrial processing
Origin	Egypt
Acceptance basis	Current COA, approved sample, sizing data and signed contract

Key buyer considerations

Grade definition

State the required P2O5 level, analytical basis and acceptable tolerance.

Chemistry control

Confirm CaO, silica, iron, alumina, moisture, LOI and other buyer limits.

Form and sizing

Match powder, crushed or lump form with the buyer process and handling system.

Commercial readiness

Confirm quantity, packing, port, Incoterm, inspection and documentation.



Grade selection for commercial review

Buyers should begin with the required P₂O₅ range, then confirm availability, tolerance and current analysis before quotation.

Commercial range	Buyer interpretation	Final control
P ₂ O ₅ 21-24%	Lower-grade discussion range for selected agricultural or industrial applications.	Current lot COA and agreed tolerance
P ₂ O ₅ 25-27%	Mid-range supply discussion for fertilizer, agriculture and processing buyers.	Current lot COA and agreed tolerance
P ₂ O ₅ 28-30%	Higher P ₂ O ₅ range for buyers requiring stronger phosphate content.	Current lot COA and agreed tolerance

Phosphate 30 reference chemical analysis

The following values reproduce the reference screening data published on the TAS product page. They are not a standing shipment guarantee.

Parameter	Reference result	Acceptance note
P ₂ O ₅	30% min	Confirm grade and analytical basis by current COA
CaO	47-48%	Confirm current lot value
MgO	0.30-0.40%	Buyer process limit
Fe ₂ O ₃	1.20-1.60%	Buyer maximum and penalty limits
Al ₂ O ₃	0.50-0.60%	Buyer maximum and penalty limits
K ₂ O	0.02-0.06%	Confirm by current COA
Na ₂ O	Confirm by current COA	Buyer-specific limit
SiO ₂	6.00-8.00%	Buyer maximum and processing relevance
SO ₃	1.5-2.0%	Confirm by current COA
F	3.00-3.10%	Confirm method and contract tolerance
Cl	0.05-0.10%	Buyer maximum and destination requirement
LOI	6.5-7.5%	Confirm test basis
CO ₂	4.50-5.20%	Confirm by current COA
CaCO ₃	10.20-11.80%	Reference value only
Organic matter	0.15-0.25%	Confirm when commercially relevant
H ₂ O	4-6%	Moisture basis must be agreed

Important interpretation

Reference values support buyer screening only. The final offer must state grade, full chemistry, moisture, product form, particle size, packing and shipment-specific acceptance criteria.



Reference granulometric analysis

Particle-size requirements must be matched with the buyer handling system, processing line, packing method and intended use.

Size fraction	Reference result	Buyer control
+4.50 mm	0.0-3.0%	Oversize tolerance
-4.50 mm +0.160 mm	68-72%	Principal fraction
-0.160 mm +0.080 mm	14-16%	Fine fraction control
-0.080 mm +0.050 mm	10-12%	Fine fraction control
-0.050 mm	2-4%	Dust / ultra-fine control

Typical applications

01

Raw material for phosphate fertilizer manufacturing.

02

Feedstock evaluation for wet-process phosphoric acid production.

03

Natural phosphate input for selected agricultural programs.

04

Phosphate-based industrial processing according to factory specification.

05

Bulk mineral trading, distribution and import programs.

06

Blending and upgrading routes subject to buyer test work.

Quality-control workflow

01 - Representative sample

Use a traceable sample tied to the offered stockpile, lot or shipment.

02 - Current analysis

Confirm P2O5, chemistry, moisture and LOI using agreed methods.

03 - Size and inspection

Agree sieve limits, sampling, weighing and third-party inspection.

04 - Contract controls

Fix tolerances, adjustments, rejection rules and document hierarchy.

Minimum COA dataset

P2O5 basis; CaO; MgO; Fe2O3; Al2O3; SiO2; SO3; F; Cl; moisture; LOI; particle-size distribution; sample ID; laboratory; method and analysis date.



Commercial, packing and logistics information

Item	Required confirmation
Available quantity	Current stock, monthly capacity and shipment program
Product form	Powder, crushed material or lumps
Packing	Bulk vessel loading, jumbo bags or buyer-specific packing
Loading point	Confirmed stockyard, mine, truck, rail or port delivery point
Inspection	Sampling, weighing and inspection company agreed in writing
Origin documents	Current certificate of origin and supplier chain
Commercial terms	Price basis, currency, Incoterm, payment and lead time

Information required for a serious quotation

01

Required P2O5 grade and acceptable tolerance.

02

Full chemistry limits, moisture and LOI requirement.

03

Product form and particle-size distribution.

04

Quantity per shipment and monthly or annual program.

05

Packing, destination port, Incoterm and shipment window.

06

Inspection company, COA, origin and other required documents.

07

End use and any process-specific test requirement.

Storage, handling and quality notice

Store in a dry, covered area. Protect material from rain, contamination and mixing with other minerals. Use suitable dust-control measures and personal protective equipment during loading, transfer and sampling. Confirm destination-market transport, labeling and environmental requirements.



VIEW PRODUCT PAGE

Quality and legal notice

This document is a branded commercial technical reference and is not a Certificate of Analysis, contract, warranty, mine authorization, regulatory registration or declaration of conformity. Product availability, origin, grade, chemistry, particle size, packing and legal compliance must be confirmed by current transaction documents.

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