

COMPANY PROFILE

Your Best Quality
Zircon and Titanium Products

 www.monokem.com



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01 ABOUT US

A Brief History

PT. Monokem Surya established in 1989, is a private 100% Indonesian-owned company in chemicals field. MONOKEM started with mining and purification of zircon sand and coexisting minerals in 2008. With a head office in Jakarta and 72.600 m² Production facility in Karawang.

MONOKEM has two mining licenses under our subsidiary companies that located in Central Kalimantan with 1,467,600 m² and 1,760,000 m² wide range.

In 2013, MONOKEM has expanded the production capacity and various Zircon product range from Micronized Zirconium Silicate to Zirconium Silicate Flour. In 2022 MONOKEM increases its product range by building a new smelter factory that producing Titanium Slag and Pig Iron



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A BRIEF HISTORY OF MONOKEM



To be a world-class manufacturer of Zircon Products.

VISION

PT MONOKEM SURYA

MISSION

PT. Monokem Surya will ensure its continuous growth by :

- Using selected raw materials
- Implementing advanced technology
- Continuous improvement of quality and efficiency

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Company Information

Company Name

PT MONOKEM SURYA

President Director

Mr. Sardimin Sungkarto

Commissioner

Mrs. Henny Djohan

Paid in Capital

USD \$17.5 Million

Date Established

June 15th, 1988

Head Office

Jakarta, Indonesia

Employees

215 People

Line of Business

Zirconium Silicate
Zircon Flour & Sand
Titanium Slag
Pig Iron
Ilmenite
Rutile
Staurolite

Bank References

Bank Central Asia
SMBC Bank
DBS Indonesia

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02 OUR PRODUCTS

PT MONOKEM SURYA

Mineral Sands

Rutile, Roasted Rutile, Ilmenite, Staurolite

Zirconium Silicate

Micronized Zirconium Silicate, Zircon Flour, Zircon Sand

Smelter Products

Titanium Slag, Pig Iron

PT MONOKEM SURYA

Monthly Installed Capacity

1.700 Tonnes

Micronized Zirconium silicate

1.000 Tonnes

Zirconium silicate Flour

2.000 Tonnes

Zircon Sand

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Micronized Zirconium Silicate

With purity ranging from 30-65%, this product is mostly used in ceramic tiles, sanitary wares, and table-ware. It gives opacity, glossy surface, helps with color gradation, and scratch resistance.

				
	MC-111	MC-112	MC-113	MC-101A
ZrO ₂ + HfO ₂ (%)	min. 64	min. 64	min. 64	min. 62
d50 (µm)	1,1±0,2	1,7±0,1	0,8±0,1	1,1±0,2
				
	MC-101	MC-201A	MC-212	MC-201
ZrO ₂ + HfO ₂ (%)	min. 57	min. 50	min. 49	min. 40
d50 (µm)	1,1±0,2	1,1±0,2	1,1±0,2	1,1±0,2

PT MONOKEM SURYA

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Zircon Flour & Zircon Sand

With purity ranging from 30-65%, this product is mostly used in ceramic tiles, sanitary wares, and table-ware. It gives opacity, glossy surface, helps with color gradation, and scratch resistance.

Product	ZrO + HfO (%)	Fe2O3 (%)	TiO2 (%)	d10 (µm)	d50 (µm)	d90 (µm)	-325 Mesh (%)
MF-607	65 Min.	0.1 Max	0.2 Max	-	10-58	-	90-100
MF-617	65 Min.	0.1 Max	0.2 Max	1-4	15-19	50-60	-
MF-401	65 Min.	0.1 Max	0.2 Max	-	10-18	-	75-90
MF-506	65 Min.	0.1 Max	0.2 Max	-	34-38	-	55-70
MF-608	65 Min.	0.1 Max	0.2 Max	1-2	9-10	20-30	-
MF-401-SG	57-60	2.5 Max	2.5 Max	-	10-18	-	-

Product	ZrO + HfO (%)	Fe2O3 (%)	TiO2 (%)	60-120 Mesh (%)
MF-8012	65 Min.	0.2 Max	0.3 Max	90

Mineral Sands

			
Rutile	Roasted Rutile	Ilmenite	Staurolite
TiO₂ 85-95%	TiO₂ 90-95% S < 0.04%	TiO₂ 48-52%	Al₂O₃ 25-40% Fe₂O₃ 10-20% SiO₂ 28-35% ZrO₂ 4-20%
High-purity titanium dioxide mineral. Applications: Welding flux, TiO ₂ pigments, and Titanium metal feedstock	Heat-treated rutile with reduced impurities. Applications: Welding flux, and high-grade titanium processing.	A titanium, iron-bearing black mineral. Applications: TiO ₂ pigment, titanium slag feedstock, welding flux.	Mineral sand with garnet-like properties. Applications: Foundry, Sand blasting, and Water-jet cutting.

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Smelter Products

Titanium Slag

TiO₂ 75-90%

High-purity TiO₂ feedstock converted from ilmenite using ARC furnace closed system, offering consistent quality for efficient downstream processing.

Applications: Titanium dioxide pigment production (coatings, plastics, paper), titanium metal production, welding electrodes.

Pig Iron

Fe 85-93%

Also known as crude iron, high-grade iron co-product from titanium slag smelting, with stable composition and strong industrial demand.

Applications: Steelmaking, foundry casting, metallurgical processing.



PT MONOKEM SURYA

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03 OUR CAPABILITIES

Precision Manufacturing & Rigorous Quality Control



We utilize advanced production technologies supported by strict quality assurance protocols. Our in-house XRF and particle size analysis ensure every batch meets consistent, high-performance standards.

Full Integrated Production Capabilities



From mineral purification to Zirconium silicate processing and titanium smelting, our vertically integrated operations enable greater efficiency, traceability, and cost control across the value chain.

Proven Export Expertise & Global Supply Reliability



With over 15 years of international market experience, we have built a strong global distribution network, ensuring dependable delivery and responsive logistics across multiple regions.

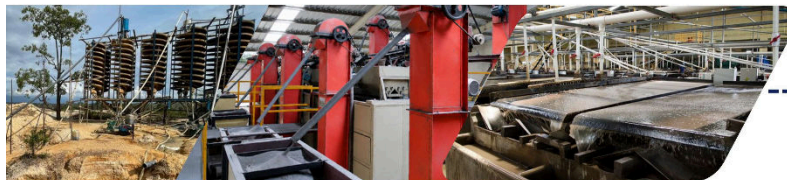
Innovative & Customized Solution



Our dedicated in-house laboratory supports continuous product development, customized solutions, and technical consultation—allowing us to adapt quickly to evolving industry needs.

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Integrated Production Facilities



Purification Plant

Milling Plant

Byproduct goes to



Smelter Plant



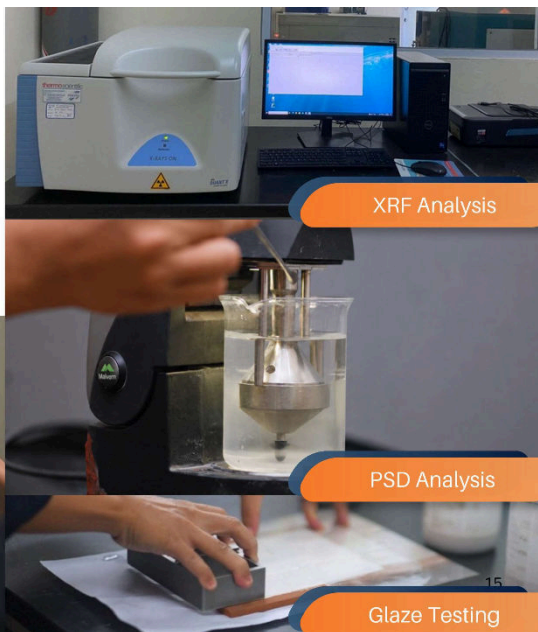
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In-house Laboratory Facilities

Whiteness Press



XRF Analysis



PSD Analysis

Glaze Testing

An ISO Certified Company



CERTIFICATE OF REGISTRATION

Management system of
ISO 9001:2015
QUALITY MANAGEMENT SYSTEM
In accordance with Satya Global Standard procedures, it is certified that
PT. MONOKEM SURYA
Office:
Rakun Perdana Senayan Blok D No. 53, Jl. Tentara Pelajar, Jakarta 12210
Site:
J. Proklamasi No. KM 12, Amansari, Kec. Rengasdengklok, Karawang, Jawa Barat 41352
Applies a management system in line with above standard for following scope
Provision of Wholesale of Zircon Sand, Zircon Flour and Micronized Zirconium Silicate
Certificate Registration No. QMS.SGS-248189
Audit Report No. AR-QMS189-SGS-24
2nd Surveillance Date: 15 November 2024
Certificate Expiry Date: 10 October 2025

Board Of Director
Ir. Eddy Soetjito



SATYA Global Standard has strictly followed all requirements of ISO 17021:2015 and is committed to ensure the highest level of compliance with the International Standard of Management System for the Management System Certification Scheme. The certificate is subject to periodic surveillance and annual re-certification. The certificate is subject to periodic surveillance and annual re-certification.

SGS ID 0301

ISO 9001:2015



CERTIFICATE OF REGISTRATION

Management system of
ISO 45001:2018
OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM
In accordance with Satya Global Standard procedures, it is certified that
PT. MONOKEM SURYA
Office:
Rakun Perdana Senayan Blok D No. 53, Jl. Tentara Pelajar, Jakarta 12210
Site:
J. Proklamasi No. KM 12, Amansari, Kec. Rengasdengklok, Karawang, Jawa Barat 41352
Applies a management system in line with above standard for following scope
Provision of Wholesale of Zircon Sand, Zircon Flour and Micronized Zirconium Silicate
Certificate Registration No. OHSMS.SGS-248094
Audit Report No. AR-OHSMS94-SGS-24
2nd Surveillance Date: 15 November 2024
Certificate Expiry Date: 30 October 2025

Board Of Director
Ir. Eddy Soetjito



SATYA Global Standard has strictly followed all requirements of ISO 17021:2015 and is committed to ensure the highest level of compliance with the International Standard of Management System for the Management System Certification Scheme. The certificate is subject to periodic surveillance and annual re-certification. The certificate is subject to periodic surveillance and annual re-certification.

SGS ID 0302

ISO 45001:2018



CERTIFICATE OF REGISTRATION

Management system of
ISO 14001:2015
ENVIRONMENTAL MANAGEMENT SYSTEM
In accordance with Satya Global Standard procedures, it is certified that
PT. MONOKEM SURYA
Office:
Rakun Perdana Senayan Blok D No. 53, Jl. Tentara Pelajar, Jakarta 12210
Site:
J. Proklamasi No. KM 12, Amansari, Kec. Rengasdengklok, Karawang, Jawa Barat 41352
Applies a management system in line with above standard for following scope
Provision of Wholesale of Zircon Sand, Zircon Flour and Micronized Zirconium Silicate
Certificate Registration No. EMS.SGS-248096
Audit Report No. AR-EMS96-SGS-25
Initial Issued Date: 29 April 2023
1st Surveillance Date: 27 April 2025
2nd Surveillance Date: 27 April 2027
Certificate Expiry Date: 27 April 2028

Board Of Director
Ir. Eddy Soetjito



SATYA Global Standard has strictly followed all requirements of ISO 17021:2015 and is committed to ensure the highest level of compliance with the International Standard of Management System for the Management System Certification Scheme. The certificate is subject to periodic surveillance and annual re-certification. The certificate is subject to periodic surveillance and annual re-certification.

SGS ID 0345

ISO 14001:2015

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04 OUR NETWORK

From Indonesia to the world



Our Customers

Trust-worthy in every applications



EVENTS

PT MONOKEM SURYA



Contact Us!

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