

ASIIC MINERALS

# Product Catalog

HEAVY MINERAL SANDS



# About ASIIC

ASIIC Minerals is proud to serve as the official representative of the Demurinsky Mining and Processing Plant, a renowned name in the mining industry. With a strong commitment to quality and excellence, we are dedicated to expanding our supply capabilities and building long-term partnerships with reliable stakeholders.

Starting from early 2025, the plant is undergoing modernization to increase extraction and upprocessing efficiency, as well as to expand its export potential.

The total investment in the modernization project amounts to UAH 170 million, which is equivalent to over EUR 4 million.

We are proud to partner with some of the most respected names in the mining sector.



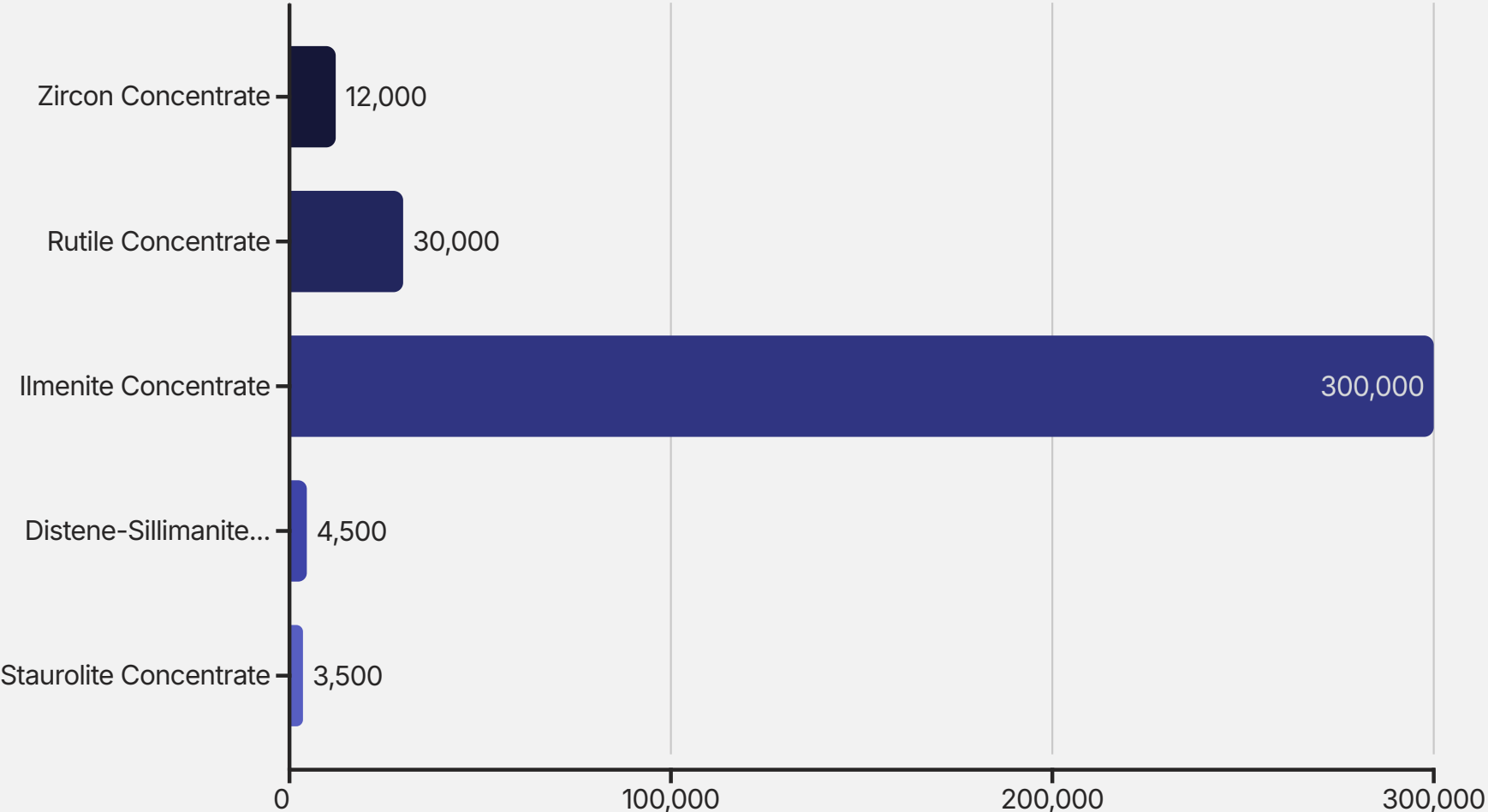
# Our Products

We offer a range of high-quality mineral concentrates tailored to industrial needs:

- **Ilmenite Concentrate (Grade "K")** – Ideal for titanium dioxide production and welding rod applications.
- **Rutile Concentrate (Grade "KP")** – High  $\text{TiO}_2$  content for pigment and aerospace industries.
- **Zircon Concentrate (Grade "GZK")** – Used in ceramics, foundries, and refractory materials.
- **Kyanite-Sillimanite Concentrate (Grade "GKSC")** – Suitable for high-temperature refractories and ceramics.
- **Staurolite Concentrate** – Abrasive-grade material, perfect for sandblasting and surface preparation.



# Projected Production of Finished Concentrates in 2025



# Ilmenite Concentrate (Grade "K")

Specification TUU:13.2-31614145-001:2008

	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Cr <sub>2</sub> O <sub>3</sub>	V <sub>2</sub> O <sub>5</sub>	P <sub>2</sub> O <sub>5</sub>	S
Standard	63.00	28.00	2.50	1.50	0.15	0.20	0.15	0.05
Typical	64.50	26.50	1.80	1.00	0.10	0.15	0.10	0.03

# Rutile Concentrate (Grade "KP")

Specification TUU:07.2-30454644-001:2019

	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	ZrO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	SO <sub>3</sub>	H <sub>2</sub> O
Standard	94.00	2.80	0.60	1.50	1.00	0.07	0.05	0.50
Typical	95.50	1.40	0.40	0.90	0.65	0.05	0.03	0.10

# Zircon Concentrate (Grade "GZK")

Specification TUU:07.2-30454644-002:2019

	ZrO <sub>2</sub> +HfO	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	H <sub>2</sub> O
Standard	65.00	2.10	0.10	0.40	0.50
Typical	65.50	1.50	0.07	0.25	0.10

# Kyanite-Sillimanite Concentrate (Grade "GKSC")

Specification TUU:07.2-30454644-003:2019

	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	H <sub>2</sub> O
Standard	57.00	0.80	1.50	38.00	0.50
Typical	58.50	0.60	1.00	37.00	0.10



# Staurolite Concentrate

Specification TU U: 07.2-30454644-004:2019

	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	H <sub>2</sub> O
Standard	37.00	16.00	2.50	42.00	0.50
Typical	38.50	15.00	1.80	41.00	0.10

# Highest Standards

We are committed to maintaining the highest standards of quality across our products and services. Our rigorous quality control measures, advanced laboratory testing, and adherence to international certifications ensure consistency and excellence in every shipment.

By partnering with us, you gain access to our extensive industry expertise, a robust and reliable global supply chain, and a customer-centric approach designed to meet your specific needs. Our unwavering dedication to excellence guarantees seamless operations, timely deliveries, and long-term value for your business.



# Quality Certificates

Each product is available with full technical specifications and SGS certification upon request.

Specification  
Rutile concentrate of grade "KP" TC U: 07.2-30454644-001:2019

ELEMENT	TYPICAL,%	GUARANTEE,%
TiO <sub>2</sub>	96,10	min 94,00
Al <sub>2</sub> O <sub>3</sub>	0,35	max 0,50
SiO <sub>2</sub>	0,88	max 1,50
Fe <sub>2</sub> O <sub>3</sub>	1,50	max 2,80
ZrO <sub>2</sub>	0,50	max 1,00
P <sub>2</sub> O <sub>5</sub>	0,05	max 0,07
SO <sub>3</sub>	0,02	max 0,05
H <sub>2</sub> O	0,10	max 0,50

Rutile crystal content – 96-97%  
Water soluble content – 0.06%

Particle size:

SIEVE	%
0,15	0,04
0,125	0,83
0,075	7,10
0,063	0,85
0,045	0,04

Head of Technical Control Department Guz Olga



Rutile Concentrate (Grade "KP")

Demunirskiy KZK LLC 52635 Ukraine,  
Dnipropetrovska oblast, Novoandriivka  
village, Gagarina str. 2a

Certificate of Quality dated 22.08.2023

Zircon concentrate Y  
07.2-30454644-002:2019

Weight kg	Places	Composition of concentrate, %					Absence
		ZrO <sub>2</sub> -HfO <sub>2</sub>	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	H <sub>2</sub> O	
		No less 65	0,4	0,1	2,1	0,5	
65,5	0,25	0,08	1,20	0,1	Absent		

Head of the WTC O.M. Guz



Ilmenite Concentrate (Grade "K")


Demunirskiy KZK LLC  
52635 Ukraine, Dnipropetrovska oblast,  
Novoandriivka village, Gagarina str. 2a, bl. 4

Quality certificate No. 1108-01 dated 11.08.2023.  
(sample)

K grade Ilmenite concentrate

Batch No.	Weight, kg	Places	TC U: 12.2-30454644-001:2019					%				
			TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	H <sub>2</sub> O	number of particles per mm <sup>2</sup>	Fe <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub>	Fe <sup>3+</sup>	Fe <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>
numberless	5	1	63,10	2,10	1,20	0,50	0,4	25,90	0,03	0,50	24,90	0,11

Head of Technical Control Department, Guz Olga



Zircon Concentrate (Grade "GZK")

# Packaging Options

Our company offers flexible packaging formats for mineral concentrates.



## Packaging Formats

Including one-ton big bags, 25-kilogram bags and more.



## Bulk Shipments

Handymax ships, which handle 8,000 to 15,000 tons.



## Specific Requirements

Tailor-made solutions to meet our clients' needs.

# Quality Assurance

## Quality Control

All our products undergo rigorous quality control procedures, supported by advanced laboratory facilities equipped with state-of-the-art instruments for precise composition analysis. SGS certification is available to ensure full compliance with international quality standards.

## Tailored Logistics Solutions

We offer seamless logistics solutions via rail, sea, and road transport to key destinations, including DAP Gdansk, Chornomorsk, Constanța, CIF Valencia, and the U.S. East Coast. Our integrated supply chain ensures efficient and timely delivery tailored to our clients' needs.

## Industry Leadership

We are proud to partner with some of the most respected names in the mining sector, including Chemours (a DuPont spin-off) and Traxys, ensuring top-quality mineral sourcing and reliable global supply chains.

## Partnership Opportunities

We are seeking reliable partners for immediate and future mineral concentrate deliveries. All recommendations and references are available upon request.



# Contact ASIIC Minerals Today

Our team of mineral experts is ready to assist with your specific requirements. We offer technical consultations and custom solutions for all industrial mineral applications.

**Bogdan Olteanu**

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