



MACTUS
THE TRUSTED SOLUTION PARTNER



Mactus Mineral LLP – The Trusted Solution Partner

Mactus Mineral LLP, headquartered in Morbi, Gujarat – the Ceramic City of India, delivers world-class industrial minerals that power industries globally. With cutting-edge WET GRINDING technology, in-house R&D and sustainable practices, Mactus is redefining global standards in quality, precision, and customer satisfaction. Trusted by industries across Europe, the Middle East, and Asia, Mactus remains committed to setting benchmarks for innovation and sustainability.



Customer Centric Excellence - Core Values



Integrity

We build trust by upholding the highest ethical standards, ensuring transparency, fairness and long-term partnerships across all interactions.



Innovation

Continuously advancing through R&D, we deliver industry-first solutions to meet evolving global demands.



Sustainability

Championing responsible resource management, Mactus aligns operations with international environmental standards.



Quality

Delivering excellence with state-of-the-art technologies and rigorous quality controls.



Customer Success

Empowering clients with tailored solutions, unmatched reliability and competitive advantages in their industries.

Competitive Edge

Technological Leadership

Proprietary WET GRINDING and Magnetic Separation techniques ensure unparalleled product quality.

01

Strategic Logistics

Efficient supply chain through India's leading ports like Mundra and Kandla ensures timely global delivery.

02

Sustainability Leadership

Zero-waste operations and eco-friendly practices aligned with UN SDGs.

03

Global Presence

Trusted by over 300 clients across 30+ countries in Europe, the Middle East and Asia.

04

Customer-Centric Customization

Flexible formulations tailored to meet diverse industry-specific needs.

05

Research & Development and Sustainability

At Mactus Mineral LLP, R&D is at the heart of our success. Our advanced facilities enable us to pioneer innovations such as ultra-refined Quartz and eco-friendly Feldspar formulations. By reducing production waste and optimizing energy efficiency, we contribute to a greener future.

Our commitment to sustainability is validated through responsible sourcing, green certifications, and alignment with global sustainability goals.



Laboratory Excellence

Mactus Mineral LLP operates ISO-certified laboratories equipped with cutting-edge instruments:



Particle Size Analyzer

Delivers reliable sizing for optimal industrial performance. These capabilities empower us to meet and exceed customer expectations across industries.



Color Spectrometer

Guarantees color consistency, meeting the exacting standards of ceramic and glass manufacturers.



ED-XRF Spectrometer

Ensures precise chemical composition for consistent product quality.

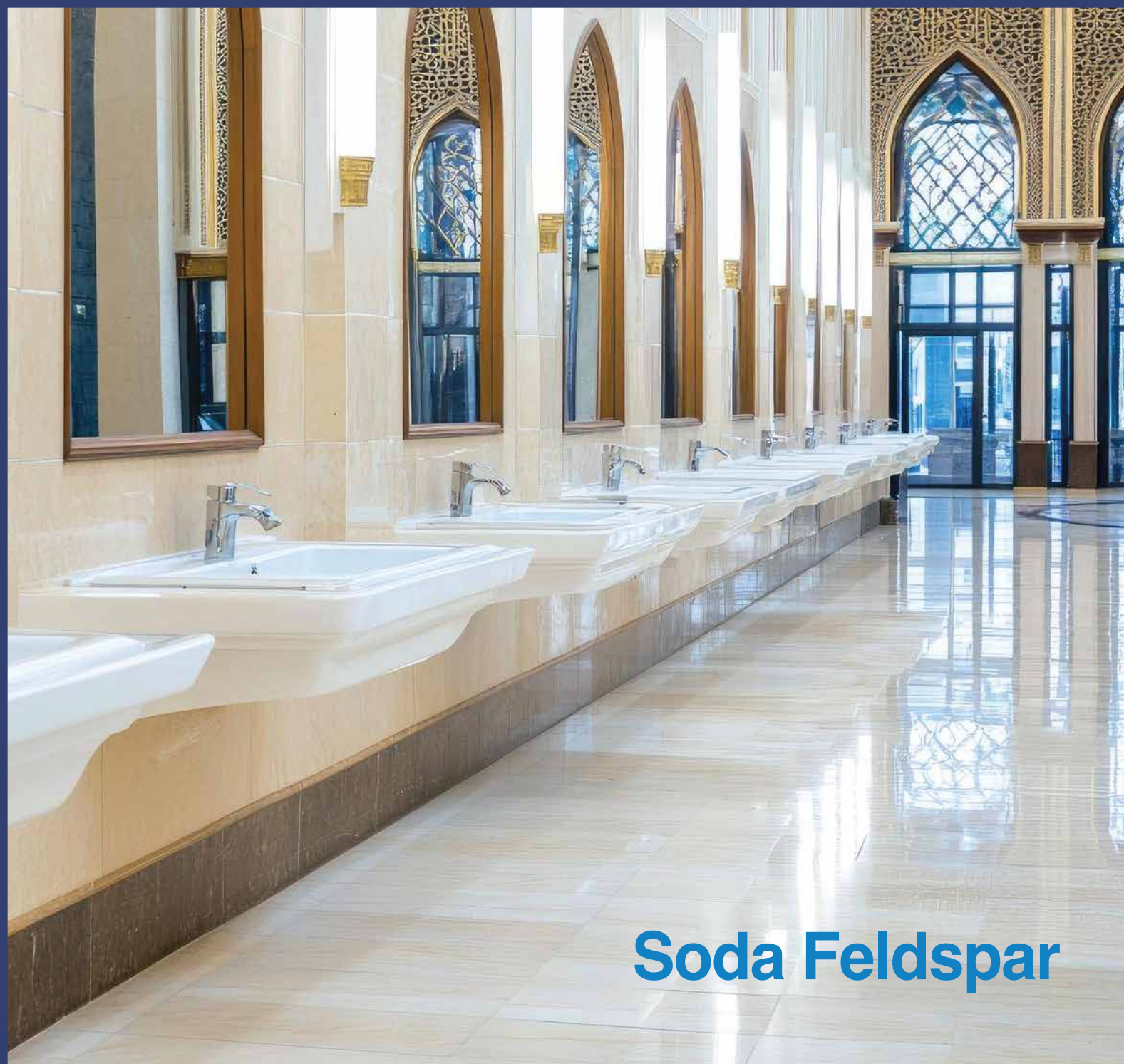
Product Portfolio



Packaging and Logistics

Mactus ensures seamless global logistics with a focus on safety, efficiency and eco-friendliness. With packaging options like 50kg bags, 1000kg jumbo bags and bulk loose, we cater to varying customer needs.

Our strategic proximity to Mundra, Kandla and Pipavav ports ensures timely deliveries across Europe, Asia, and the Middle East.



Soda Feldspar

Key Features

- High whiteness (L) and low yellowness (b) value
- High alkali and alumina content for superior performance.
- Ideal fluxing agent in ceramics, glass and vitrified tiles.
- Available in Mactus Processed (Refined) and Traditional grades.



Specifications

- Na₂O: 10% - 12%
- SiO₂: 65% - 68%
- Al₂O₃: 18% - 20%
- Whiteness: >65°

Applications

- Glass, vitrified tiles, wind plates, sanitary ware, table ware, frit, paint and more.

Chemical Properties

Properties	MTS-GA-10	MPS-BG-10
SiO ₂	67% (± 1%)	67% (± 1%)
Al ₂ O ₃	19% (± 1%)	19% (± 1%)
Na ₂ O	10% (± 0.5%)	10% (± 0.5%)
K ₂ O	1% (± 0.5%)	1% (± 0.5%)
Li ₂ O	Trace	Trace
CaO	<0.9% (± 0.05%)	<0.9% (± 0.05%)
MgO	Trace	Trace
Fe ₂ O ₃	<0.2% (± 0.05%)	<0.05% (± 0.01%)
LOI	<0.5%	<0.5%

Physical Properties

Properties	MTS-GA-10	MPS-BG-10
L Value	>80	>85
A Value	-0.2 ~ -0.5	-0.5 ~ -0.8
B Value	<5.0	<4.0
Whiteness	>58 Degrees	>65 Degrees
Particles Size	200#, 240#, 300# (74, 60, 50 microns)	200# (74 microns)
Moisture	<1%	20%

Note:

- All above parameters are measured after firing at 1210° temperature in Laboratory Furnace.
- The information presented above is based on long-term average values and is provided for guidance only.

Potash Feldspar



Key Features

- High whiteness (L) and low yellowness (b)
- High-quality Potash Feldspar lumps with unmatched purity.
- Manufactured using advanced WET GRINDING technology.



Specifications

- K₂O: 10% - 12%
- SiO₂: 66% - 69%
- Al₂O₃: 17% - 19%
- Whiteness: >65°

Applications

- Ceramics, Glass, table ware, sanitary ware, paint and frit.

Chemical Properties

Properties	MTP-GA-10	MTP-BG-11	MPP-BG-10
SiO ₂	69% (± 1%)	68% (± 1%)	68% (± 1%)
Al ₂ O ₃	18% (± 1%)	18% (± 1%)	18% (± 1%)
K ₂ O	10% (± 1%)	11% (± 1%)	10% (± 1%)
Na ₂ O	2.5% (± 1%)	2.5% (± 1%)	2.5% (± 1%)
TiO ₂	Trace	Trace	Trace
CaO	<0.9%	<0.9%	<0.9%
MgO	Trace	Trace	Trace
Fe ₂ O ₃	0.2% (± 0.05%)	0.2% (± 0.05%)	0.05% (± 0.01%)
LOI	<0.5%	<0.5%	<0.5%

Physical Properties

Properties	MTP-GA-10	MTP-BG-11	MPP-BG-10
L Value	>80	>80	>87
A Value	-0.2 ~ -0.5	-0.2 ~ -0.5	-0.2 ~ -0.5
B Value	<4.0	<4.0	<4.0
Whiteness	>62 Degrees	>62 Degrees	>70 Degrees
Particles Size	200#, 240#, 300# (74, 60, 50 microns)	200#, 240#, 300# (74, 60, 50 microns)	200# (74 microns)
Moisture	<1%	<1%	20%

Note:

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Quartz



Key Features

- High silica content (>99.3%) for industrial applications.
- Chemically inert and durable with high mechanical resistance.



Specifications

- SiO₂: 99.0% - 99.8%
- Whiteness: >97°

Applications

- Glassmaking, foundry sand, ceramics, quartz slabs and petroleum industry.

Chemical Properties

Properties	MTQ-GA
SiO ₂	99.30% (± 0.5%)
Al ₂ O ₃	0.3%
Fe ₂ O ₃	0.02%
TiO ₂	Trace
CaO	Trace
MgO	0.04%
Na ₂ O	0.12%
K ₂ O	Trace
LOI	<0.5

Physical Properties

Properties	MTQ-GA
L Value	>97
A Value	0.0 ~ 0.5
B Value	<1
Whiteness	>95 Degrees
Particles Size	200#, 300#, 400# (74, 50, 37 microns)

Note:

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Kaolin



Key Features

- Chemically inert with low shrink-swell capacity.
- Excellent pigment and filler for various industries.



Specifications

- SiO₂: 46% - 53%
- Al₂O₃: 32% - 38%
- Whiteness: >85°

Applications

- Ceramics, cosmetics, rubber, paper, paint and agriculture.

Chemical Properties

Properties	MSP-83	MG-73	MGM-1
SiO ₂	47.96	48.51	52.28
Al ₂ O ₃	35.96	36.41	32.62
K ₂ O	0.09	0.07	0.13
Na ₂ O	0.18	0.13	0.24
TiO ₂	0.8	0.55	1.04
CaO	0.38	0.28	0.28
MgO	0.76	0.31	0.43
Fe ₂ O ₃	0.28	0.31	0.38
LOI	13.48	13.09	12.35

Physical Properties

Properties	MSP-83	MG-73	MGM-1
L Value	96.9	95.63	94.47
A Value	0.11	0.71	0.77
B Value	3.26	2.78	4.75
Whiteness	89.6	88.86	86.26
Moisture	10%	10%	10%

Note:

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