



Flamingo Global

Powering Industries Worldwide with Superior Quality Silica!



CONFIDENTIAL



Quartz.





Quartz.

Quartz raw refers to raw materials derived from quartz, a mineral composed of silicon and oxygen atoms. It is widely used in various industries due to its exceptional hardness, chemical resistance, and electrical properties. Quartz raw finds application in industries such as semiconductor manufacturing, electronics, glass production, construction, and jewelry. Its unique properties make it a sought-after material for a wide range of products and processes.

- **Sand**
- **Lumps**
- **Slabs**

**More than 80+
Silica Products**



Click to View Products:

<https://flamingoglobal.co/products/quartz/>

Quartz | Industries and Uses



Semiconductor manufacturing

- Microchips
- Integrated circuits
- Processors
- Transistors
- Memory chips
- Sensors
- LED displays
- RFID tags
- Solar cells
- Microelectromechanical systems (MEMS)

Electronics

- LCD screens
- Touch panels
- Quartz crystal oscillators
- Quartz filters
- MEMS sensors
- Piezoelectric devices
- Oscillators and resonators
- Transducers
- Timing devices
- Electronic components

Glass production

- Glass windows
- Glassware
- Glass containers and bottles
- Glass panels
- Fiberglass
- Glass fibers
- Glass insulators
- Glass lenses
- Glass mirrors
- Glass beads

Construction

- Quartz countertops
- Flooring tiles
- Decorative elements (e.g., vases, sculptures)
- Wall cladding
- Roofing tiles
- Quartz bricks and blocks
- Concrete additives
- Adhesives and sealants
- Insulation materials
- Abrasive materials

Jewelry and gemstones

- Quartz jewelry (rings, necklaces, earrings)
- Gemstone pendants
- Bracelets
- Brooches
- Cufflinks
- Gemstone beads
- Cabochons
- Quartz crystals for healing and meditation
- Carvings and figurines
- Birthstone jewelry

Telecommunications

- Fiber optic cables
- Quartz resonators
- Telecom equipment (routers, switches, modems)
- Quartz waveplates
- Optical fibers
- Fiber optic connectors
- Optical switches
- Wavelength division multiplexers (WDM)
- Optical transceivers
- Optical amplifiers

Solar energy

- Solar panels
- Photovoltaic cells
- Solar inverters
- Solar charge controllers
- Solar water heaters
- Solar lights
- Solar power banks
- Solar backpacks
- Solar gadgets and chargers
- Solar-powered pumps

Optics and lenses

- Optical lenses
- Camera lenses
- Telescopes
- Microscopes
- Binoculars
- Spectacles and eyeglasses
- Laser optics
- Projection lenses
- Optoelectronic devices
- Optical filters

Click to View Products:

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Quartz | Industries and Uses



Ceramics

- Ceramic tiles
- Porcelain products
- Sanitaryware (sinks, toilets, bathtubs)
- Ceramic dishes and tableware
- Ceramic insulators
- Ceramic bricks and tiles for kilns and furnaces
- Ceramic capacitors
- Ceramic membranes
- Ceramic coatings
- Ceramic fibers

Chemical manufacturing

- Catalysts
- Chemical reactors
- Lab equipment (crucibles, beakers, flasks)
- Laboratory filters
- Glassware for chemical analysis
- Chemical sensors
- Lab glass slides
- Glass syringes
- Quartz cuvettes
- Glass pipettes



Click to View Products:

<https://flamingoglobal.co/products/quartz/>

Quartz | Snow White Sand 99.99 %



Quartz 0.1 - 0.3



Quartz 0.3 - 0.7



Quartz 0.7 - 1.2



Quartz 1.2 - 2.5



Quartz 2.5 - 4.0



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Quartz | MICA INFUSED QUARTZ



Quartz| Snow White Lumps



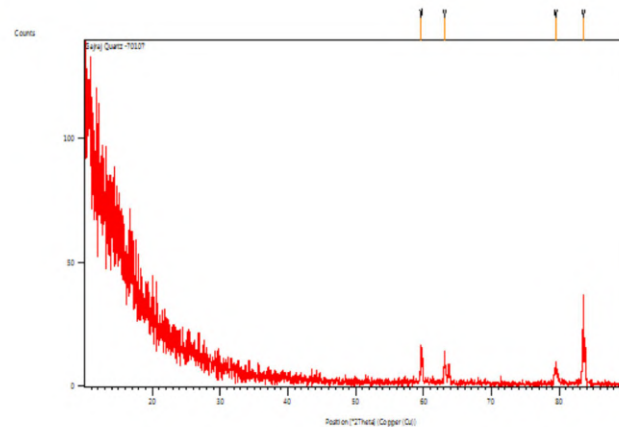
Tests and Scans



PHYSICO - CHEMICAL ANALYSIS

Sr. No.	Name of the Test Required	Actual Test Results Found (Average of 3 Trials)
1.	Silicon Di Oxide (as SiO ₂) (on dried basis)	99.99 % w/w
2.	Electrical Conductivity (of 10 % aqueous suspension)	3.9 μS / cm

Graphics



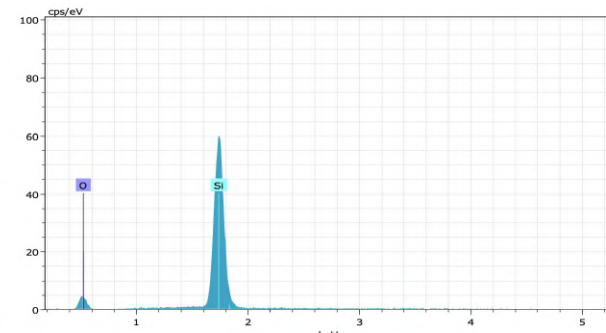
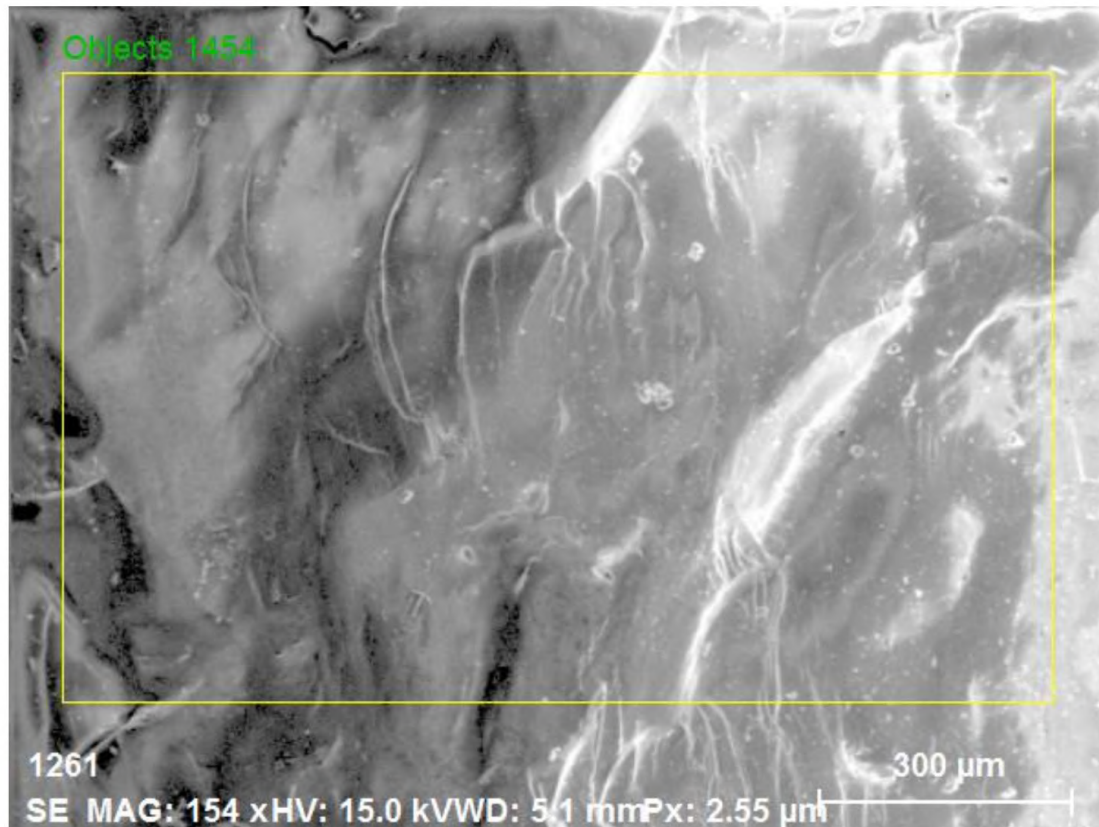
Peak List

Pos. [°2θ.]	Height [cts]	FWHMLeft [°2θ.]	d-spacing [Å]	Rel. Int. [%]
59.6201	15.16	0.3542	1.55079	43.51
63.0707	12.39	0.2952	1.47400	35.56
79.4360	6.35	0.5904	1.20646	18.23
83.5183	34.84	0.1080	1.15660	100.00

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<https://flamingoglobal.co/products/quartz/>

Tests and Crystalline Structure



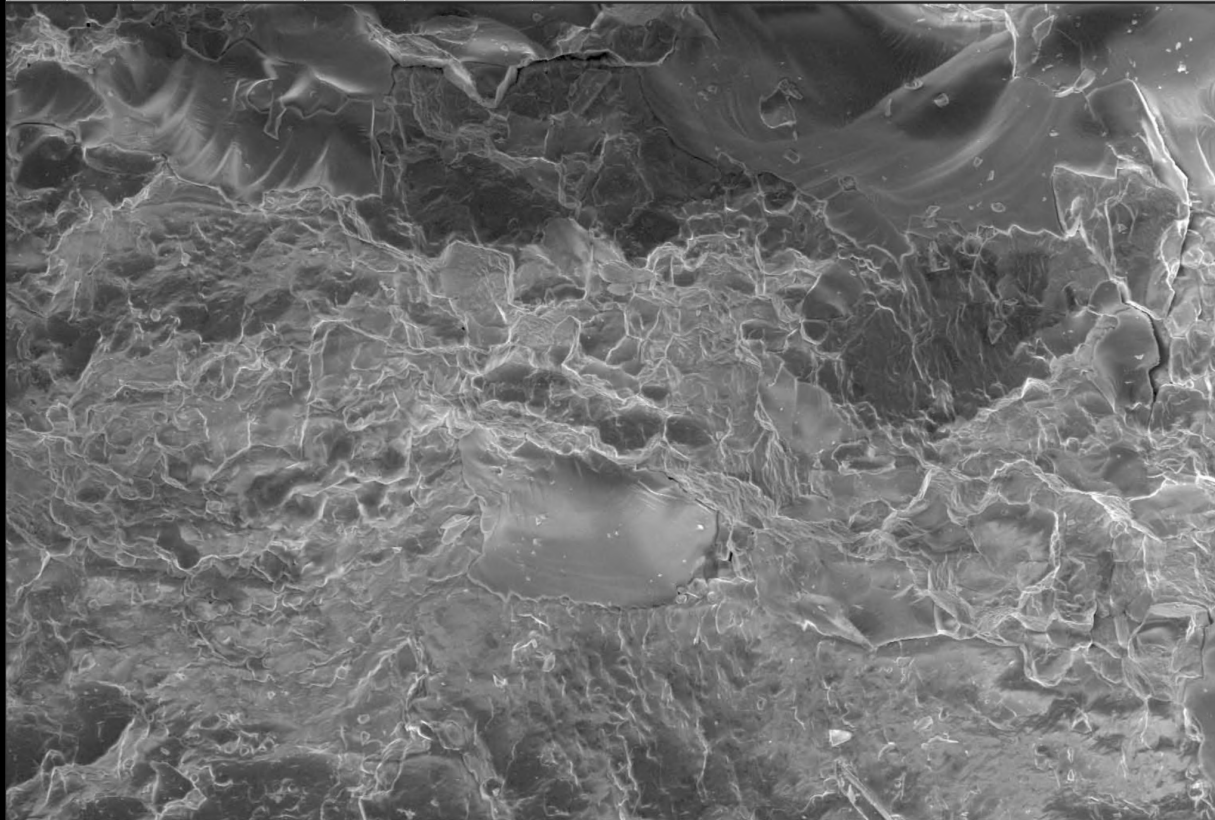
Objects 1454 Date:2/1/2024 12:36:43 PM HV:15.0kV Puls th.:48.22kcps


El	AN	Series	unn. C	norm. C	Atom. C	Error (1 Sigma)
			[wt.%]	[wt.%]	[at.%]	[wt.%]
Si	14	K-series	40.15	77.98	66.86	1.72
O	8	K-series	11.34	22.02	33.14	2.14
Total:			51.49	100.00	100.00	

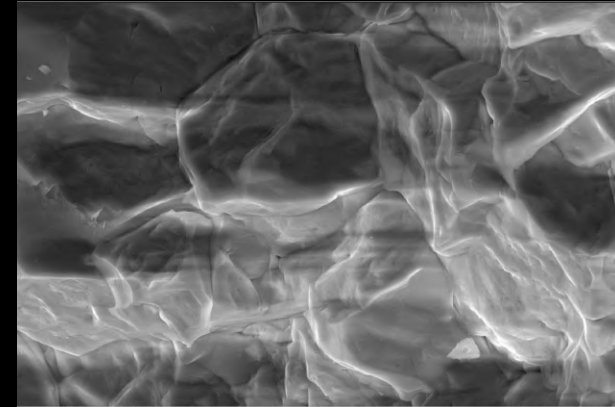
Click to View Products:


<https://flamingoglobal.co/products/quartz/>

Tests and Crystalline Structure



	det	HV	spot	WD	pressure	vac mode	mag	<input type="checkbox"/>	dwell	200 μ m
ETD	15.00 kV	3.0	7.1 mm	1.07e-2 Pa	High vacuum	500 x	10 μ s			Nova NanoSEM 450



	det	HV	spot	WD	pressure	vac mode	mag	<input type="checkbox"/>	dwell	20 μ m
ETD	15.00 kV	3.0	7.1 mm	1.23e-2 Pa	High vacuum	5 000 x	10 μ s			Nova NanoSEM 450

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Quartz | Slabs & Blocks



Click to View Products:
<https://flamingoglobal.co/service/quartz/>

Quartz| Slabs & Blocks



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Quartz| Slabs & Blocks





About us

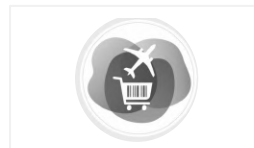
- With 25 years of experience and presence in Canada, USA & India, Flamingo Global has been providing industries worldwide with high quality superior silica products.
- Established in the year **1998** ; We have been providing essential commodities to companies for more than **20 years** across the globe.
- Partners with over 250 verified manufacturers of India's best quality products.
- Exported over 50, 000 orders with 78 % of repeated orders.

<https://flamingoglobal.co/>



Our Clients

We believe in Long term Business relationships , Here are some of our trusted partners. We deal with a variety of clients. Everyone is welcome and gets the same quality of work.





Powered by strong IT
Infrastructure

Take the guesswork out
of purchasing

- **Strong in Supply chain Planning, Freight Forwarding, Transportation.**
- Proven Processes and Technology
- High customer retention and confidence
- Ready-To-Go solutions and ability to integrate into customer organizations
- We save time and money to businesses by taking out all the guess work in purchasing.



Strengths & Services

Why us?

- Pan India product verification process
- Tested and superior quality products
- More than 50, 000 orders exported.

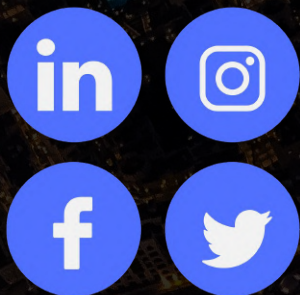


WHAT'S MORE

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At Flamingo Global, we understand the challenges of sourcing high-quality silica products, verifying authenticity, and securing the best prices. We take immense pride in being your trusted gateway to the finest silica solutions, delivering an unmatched combination of purity, consistency, and affordability. With a commitment to excellence and rigorous quality control, we ensure that every product meets the highest industry standards. Partner with us for a seamless and reliable silica supply chain, where quality and trust come first.

CONTACT US



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