

1st
TIME IN INDIA
PREMIUM QUALITY
FELDSPAR



A&J GROUP OF COMPANIES

A&J MICRONS PVT. LTD.

A&J MINERAL LLP

A&J MINES AND MINERAL LLP

A&J SISODIYA MINERAL LLP

A&J VIJAY MINERAL LLP

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GROUP OF :
A&J

A&J group is a leading mineral producer with 5 companies in India. A&J have established the first wet processing plant for feldspar in India. Currently A&J is the largest producer and supplier of processed feldspar and muscovite mica in India. A&J operates with 11 mines and 5 processing plants and has reached a yearly capacity of 550,000 MT of processed feldspar, 525,000 MT of feldspar granules, 6000 MT of muscovite mica flakes.

Currently A&J provides services to numerous sectors led by the ceramic industries, in addition to glass, welding electrodes, paints etc. A&J's largest feldspar wet processing plant is located at Morbi (The ceramic city of India)

A&J's ability to control the properties and applications of its natural resources is a quality guarantee for its customers. A&J's minerals are recognized for their unparalleled consistency and quality. A&J have optimized the cost of producing super white bodies by reducing the zirconium content while maintaining a cohesive tile body.

A&J's minerals are widely accepted in Asian countries like China, Taiwan, Vietnam, UAE.

A&J's motive force of working is the thriving towards the innovation and solutions, and continuously working towards the new solutions for the global industries. A&J's vision is to be a world leading mineral supplier by providing high quality, affordable and innovative solutions to the global industries.



Feldspar Granules

Chemical Analysis (%)	SODA FELDSPAR		POTASH FELDSPAR	
	AJF 307 SC	AJF 309 SC	AJF 506 PC	AJF 509 PC
Na₂O	7.00 ± 0.5	9.00 ± 0.5	2.90 ± 0.5	2.70 ± 0.5
K₂O	0.40 ± 0.2	0.50 ± 0.2	5.70 ± 0.5	8.80 ± 0.5
Al₂O₃	17.0 ± 1	17.0 ± 1	17.0 ± 1	18.0 ± 1
SiO₂	70.0 ± 1	70.0 ± 1	70.0 ± 1	70.0 ± 1
Fe₂O₃	0.40 ± 0.1	0.40 ± 0.1	0.40 ± 0.1	0.40 ± 0.1
CaO	< 0.9	< 0.9	< 0.9	< 0.9
MgO	< 0.3	< 0.3	< 0.3	< 0.3
TiO₂	Traces	Traces	Traces	Traces
LOI	0.5	0.5	0.5	0.5
Moisture	< 3	< 3	< 3	< 3
Particle Size	d ₈₀ – 5mm	d ₈₀ – 5mm	d ₈₀ – 5mm	d ₈₀ – 5mm

Wet Ground Purified Feldspar

Chemical Analysis (%)	SODA FELDSPAR		POTASH FELDSPAR	
	AJF 657 SW	AJF 659 SW	AJF 706 PW	AJF 709 PW
Na ₂ O	7.00 ± 0.5	8.80 ± 0.5	2.60 ± 0.5	2.70 ± 0.5
K ₂ O	0.60 ± 0.2	0.50 ± 0.2	5.70 ± 0.5	8.80 ± 0.5
Al ₂ O ₃	17.0 ± 1	18.0 ± 1	17.0 ± 1	17.0 ± 1
SiO ₂	71.0 ± 1	69.0 ± 1	71.0 ± 1	68.0 ± 1
Fe ₂ O ₃	0.06 ± 0.01	0.06 ± 0.01	0.06 ± 0.01	0.06 ± 0.01
CaO	< 0.9	< 0.9	< 0.9	< 0.9
MgO	< 0.3	< 0.3	< 0.3	< 0.3
TiO ₂	Traces	Traces	Traces	Traces
LOI	0.5	0.5	0.5	0.5
Moisture	< 20	< 20	< 20	< 20
Particle Size	d ₉₀ – 63 μm	d ₉₀ – 63 μm	d ₉₀ – 63 μm	d ₉₀ – 63 μm



Dry Ground Feldspar

Chemical Analysis (%)	SODA FELDSPAR		POTASH FELDSPAR	
	AJF 509 SD	AJF 501 SD	AJF 509 PD	AJF 501 PD
Na ₂ O	8.80 ± 0.5	9.90 ± 0.5	2.40 ± 0.3	2.20 ± 0.3
K ₂ O	0.30 ± 0.1	0.30 ± 0.1	8.90 ± 0.5	10.50 ± 0.5
Al ₂ O ₃	17.0 ± 1	17.0 ± 1	17.0 ± 1	17.0 ± 1
SiO ₂	69.0 ± 1	68.0 ± 1	69.0 ± 1	67.0 ± 1
Fe ₂ O ₃	0.3 ± 0.01	0.3 ± 0.01	0.25 ± 0.01	0.25 ± 0.01
CaO	< 0.9	< 0.9	< 0.9	< 0.9
MgO	< 0.3	< 0.3	< 0.3	< 0.3
TiO ₂	Traces	Traces	Traces	Traces
LOI	0.5	0.5	0.5	0.5
Moisture	< 1	< 1	< 1	< 1
Particle Size	d ₉₅ – 63 μm	d ₉₅ – 63 μm	d ₉₅ – 63 μm	d ₉₅ – 63 μm



Processed Muscovite Mica Flakes

Processed Muscovite Mica Flakes		
Chemical Analysis (%)	AJM 709 MF	AJM 509 MF
Na ₂ O	0.5 ± 0.05	0.5 ± 0.05
K ₂ O	7.5 ± 0.1	7.5 ± 0.1
Al ₂ O ₃	34.0 ± 1	34.0 ± 1
SiO ₂	48.0 ± 1	48.0 ± 1
Fe ₂ O ₃	3.00 ± 0.5	3.00 ± 0.5
CaO	0.05 ± 0.01	0.05 ± 0.01
MgO	0.6 ± 0.1	0.6 ± 0.1
TiO ₂	< 0.25	< 0.25
LOI	2.0	2.0
Moisture	< 1	< 1
Available Sizes	3 ~ 7mm, 7 ~ 25mm, +25mm	1 ~ 3mm, 1 ~ 7mm
Impurities	< 2% (Stones & Ruby Mica)	< 10% (Stones & Ruby Mica)

Dry Ground Quartz

Quartz Powder		
Chemical Analysis (%)	AJQ 909 QD	AJQ 959 QD
Al ₂ O ₃	Traces	Traces
SiO ₂	97.5 ± 1	99.2 ± 0.5
Fe ₂ O ₃	0.03 ± 0.01	0.02 ± 0.01
CaO	Nil	Nil
MgO	Nil	Nil
TiO ₂	Nil	Nil
LOI	0.5	0.5
Moisture	< 1	< 1
Particle Size	d ₉₅ – 44 μm	d ₉₅ – 44 μm



Applications:

Cosmetic Products | Mica Sheets for electrical insulations | Welding Electrodes | Paint Industries | Additive for Drilling fluids