



The end of G-200, followed by G-200HP was an unpleasant shake up for feldspar users. Laguna Clay Company then offered MFEL S3470* ,a 70 part G-200HP plus 30 part Minspar blend. The blend provided most Laguna customers with a chemically

similar product that could be substituted with a minimum of fuss. Before we could say, "Problem solved...", another product discontinuation sent the Laguna Clay Company buyers and technicians back to the process of finding a reliable, sustainable, affordable, product with a chemical analysis and qualities similar to our old buddy, G-200.

Mahavir Feldspar from Laguna Clay Company offers our customers a superior replacement, at a reasonable price and a sustainable, available supply. "Another Choice in Feldspar" a comprehensively educational article written by Jeff Zamek and printed in Ceramics Technical, issue #41, 2015 provided information on some other feldspar choices. We thank [Ceramics Technical](#) for additional analysis of other products to inform your choice. Please contact info@lagunaclay.com for any additional information required.

Mahavir Feldspar from Laguna Clay Company	
Oxide	Analysis
CaO	0.15%
K ₂ O	11.50%
Na ₂ O	3.00%
Al ₂ O ₃	17.50%
SiO ₂	67.00%
Fe ₂ O ₃	0.08%
MgO	0.15%
LOI	0.50

G-200 Feldspar	
Oxide	Analysis
CaO	0.81%
K ₂ O	10.80%
Na ₂ O	3.0%
Al ₂ O ₃	18.5%
SiO ₂	66.30%
Fe ₂ O ₃	0.08%
MgO	Trace
LOI	0.16

G-200 HP	
Oxide	Analysis
CaO	0.75%
K ₂ O	13.2%
Na ₂ O	1.52%
Al ₂ O ₃	18.2%
SiO ₂	65.9%
Fe ₂ O ₃	0.09%
MgO	Trace
LOI	0.16

MFEL S3470* Blend	
Oxide	Analysis
CaO	0.975%
K ₂ O	10.47%
Na ₂ O	3.014%
Al ₂ O ₃	18.2%
SiO ₂	66.77%
Fe ₂ O ₃	.084%
MgO	Trace
LOI	.202

Fortispar Feldspar	
Oxide	Analysis
CaO	0.14%
K ₂ O	13.18%
Na ₂ O	1.25%
Al ₂ O ₃	18.06%
SiO ₂	64.85%
Fe ₂ O ₃	0.07%
MgO	0.3%
LOI	0.28

G-200 EU Feldspar	
Oxide	Analysis
CaO	0.50%
K ₂ O	11.00%
Na ₂ O	2.10%
Al ₂ O ₃	17.00%
SiO ₂	68.50%
Fe ₂ O ₃	0.095%
MgO	0.80%
LOI	0.50

Minspar Feldspar	
Oxide	Analysis
CaO	1.50%
K ₂ O	4.10%
Na ₂ O	6.50%
Al ₂ O ₃	18.20%
SiO ₂	68.80%
Fe ₂ O ₃	0.07%
MgO	0
LOI	0.30

Laguna Clay Company Mahavir Feldspar



A selected white firing high grade potassium feldspar ground to 200 mesh for ceramic applications. Typically used in frits, ceramic glazes, sanitary ware, table ware, white glass, etc. Carefully beneficiated and controlled for quality, Mahavir offers moderate potash content and low iron oxide. It is in stock now and can also be ordered from your local Laguna Clay Company Distributor.

Typical Chemical Analysis:

SiO ₂	67.0	Fe ₂ O ₃	.02
Al ₂ O ₃	17.5	MgO	.3
Na ₂ O	3.0	TiO	.01
K ₂ O	11.5	LOI	1.0
CaO	.3		

Mineralogy: 65-75% Microcline
21-30% Albite
0.6% Anorthite
1% Kaolinite
10-15% Quartz

Melting temperature: 1220C
Particle size: maximum 2% +63 microns



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POTASSIUM FELDSPAR

PF-01

DESCRIPTION : Selected White Firing High Grade Potassium Feldspar Typically used in Frits, Ceramic Glazes, Sanitaryware, Tableware, White Glass, etc.

Packing : 50-kg or 1000-kg Bags.

PARTICLE SIZE SPECIFICATION : PF-01 2% Maximum + 63 Micron

CHEMICAL PROPERTIES	
Silica (SiO ₂)	67% (±1%)
Alumina (Al ₂ O ₃)	17.5% (±0.5%)
Potassium Oxide (K ₂ O)	11.5% (±1%)
Sodium Oxide (Na ₂ O)	3% (±0.5%)
Calcium Oxide (CaO)	<0.30%
Ferric Oxide (Fe ₂ O ₃)	0.08% (±0.02%)
Manganese Oxide (MgO)	<0.30%
Titanium Oxide (TiO ₂)	<0.01%
Loss on Ignition LOI (950°C)	1.00 % Max

PHYSICAL PROPERTIES	
Specific Gravity	2.55

MINERALOGY	
Microcline	65 - 75 %
Albite	21 - 30 %
Anorthite	0.60%
Kaolinite	1.00%
Free Quartz	10 - 15 %

Melting Temperature 1220°C Socking time 30 Minutes

PF-01 / 63 MICRONS	
Micron	Cummulative%
< 106	100.00
75	99.75
63	99.05
53	97.72
43	95.24
25	75.00
20	69.00
15	61.00
10	45.00
5	36.00
2	28.00
1	15.00

