



TECHNICAL DATA SHEET

Product: Feldspar (UFPF-7lm)

Clients:



Uses: Ceramics | Sanitary Ware | Porcelain Tiles

Chemical Analysis		
Oxide	Percentage (%)	Tolerance (%)
K ₂ O	5.0	±0.5
Na ₂ O	4.0	±0.5
Fe ₂ O ₃	0.35	±0.03
TiO ₃	<0.07	
Al ₂ O ₃	15.0	±0.5
SiO ₂	73.0	±1.0
CaO	0.5	±0.2
MgO	<0.06	
P ₂ O ₅	0.01	
MnO	0.02	
L.O.I	0.3	±0.1

Physical Test Report		
SI.NO.	Parameters	Specification
1	Partial Size	0.0 - 850 Micron
2	Moisture	<0.5%
3	Acid Test in 20% HCL	No Effervescence
4	Sample Firing Temperature Cycle Time	1220°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value >65
		A Value <5.0
		B Value <6.0

Particle Size Distribution					
Size (micron)	0.0-75	75-100	150-500	500-850	+850
Percentage (%)	10	13	63	12	2



TECHNICAL DATA SHEET

Product: Feldspar (UFPF-7-2)

Clients:



Uses: Glass Containers | Bottles

Chemical Analysis		
Oxide	Percentage (%)	Tolerance (%)
K ₂ O	4.5	±0.5
Na ₂ O	4.0	±0.5
Fe ₂ O ₃	0.4	±0.03
TiO ₃	<0.08	
Al ₂ O ₃	14.5	±0.5
SiO ₂	73.0	±1.0
CaO	0.5	±0.2
MgO	<0.06	
P ₂ O ₅	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report			
SI.NO.	Parameters	Specification	
1	Partial Size	150 - 850 Micron	
2	Moisture	<0.5%	
3	Acid Test in 20% HCL	No Effervescence	
4	Sample Firing Temperature Cycle Time	1220°C, 8 hours cycle in lab Muffle Furnace	
5	Firing Results	L Value	>65
		A Value	<5.0
		B Value	<6.0

Particle Size Distribution					
Size (micron)	0.0-75	75-100	150-500	500-850	+850
Percentage (%)	5.6	9.65	62	22.65	20.1



TECHNICAL DATA SHEET

Product: Feldspar (UFPF-7ia)

Clients:



RAK
CERAMICS

Uses: Porcelain Tiles | Sanitary Ware

Chemical Analysis		
Oxide	Percentage (%)	Tolerance (%)
K ₂ O	6.1	±0.5
Na ₂ O	4.1	±0.5
Fe ₂ O ₃	<0.3	±0.03
TiO ₃	<0.08	
Al ₂ O ₃	14.5	±0.5
SiO ₂	73.5	±1.0
CaO	0.5	±0.2
MgO	<0.09	
P ₂ O ₅	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report			
SI.NO.	Parameters	Specification	
1	Partial Size	0.0 - 5.0 mm	
2	Moisture	<1.0%	
3	Acid Test in 20% HCL	No Effervescence	
4	Sample Firing Temperature Cycle Time	1220°C, 8 hours cycle in lab Muffle Furnace	
5	Firing Results	L Value	70 (±0.1)
		A Value	<5.0
		B Value	<5.0



TECHNICAL DATA SHEET

Product: Feldspar (UFPF-5)

Clients:



Uses: White Cement

Chemical Analysis		
Oxide	Percentage (%)	Tolerance (%)
K ₂ O	4.0	±0.5
Na ₂ O	3.5	±0.5
Fe ₂ O ₃	0.4	±0.05
TiO ₃	<0.08	
Al ₂ O ₃	14.5	±1.5
SiO ₂	73.5	±1.5
CaO	0.5	±0.2
MgO	<0.09	
P ₂ O ₅	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report			
SI.NO.	Parameters	Specification	
1	Partial Size	0.0 - 5.0 mm	
2	Moisture	<1.0%	
3	Acid Test in 20% HCL	No Effervescence	
4	Sample Firing Temperature Cycle Time	1220°C, 8 hours cycle in lab Muffle Furnace	
5	Firing Results	L Value	60.0 - 65.0
		A Value	<5.0
		B Value	<6.0



TECHNICAL DATA SHEET

Product: Feldspar (UFPF-6)

Clients:



Uses: Ceramics

Chemical Analysis		
Oxide	Percentage (%)	Tolerance (%)
K ₂ O	4.0	±0.5
Na ₂ O	3.5	±0.5
Fe ₂ O ₃	0.4	±0.05
TiO ₃	<0.08	
Al ₂ O ₃	14.5	±1.5
SiO ₂	73.5	±1.5
CaO	0.5	±0.2
MgO	<0.09	
P ₂ O ₅	0.01	
MnO	0.02	
L.O.I	0.2	±0.1

Physical Test Report			
SI.NO.	Parameters	Specification	
1	Partial Size	0.0 - 5.0 mm	
2	Moisture	<0.5%	
3	Acid Test in 20% HCL	No Effervescence	
4	Sample Firing Temperature Cycle Time	1220°C, 8 hours cycle in lab Muffle Furnace	
5	Firing Results	L Value	60.0 - 65.0
		A Value	<5.0
		B Value	<6.0



TECHNICAL DATA SHEET

Product: Feldspar (UFSF-3)

Clients:



Uses: Ceramics

Chemical Analysis		
Oxide	Percentage (%)	Tolerance (%)
K ₂ O	>3.0	±0.5
Na ₂ O	>3.5	±0.5
Fe ₂ O ₃	0.45	±0.05
TiO ₃	<0.08	
Al ₂ O ₃	14.5	±1.5
SiO ₂	73.5	±1.5
CaO	0.5	±0.2
MgO	<0.09	
P ₂ O ₅	0.01	
MnO	0.02	
L.O.I	0.4	±0.1

Physical Test Report		
SI.NO.	Parameters	Specification
1	Partial Size	0.0 - 5.0 mm
2	Moisture	<0.5%
3	Acid Test in 20% HCL	No Effervescence
4	Sample Firing Temperature Cycle Time	1220°C, 8 hours cycle in lab Muffle Furnace
5	Firing Results	L Value
		A Value
		B Value

Particle Size Distribution					
Size (micron)	0.0-0.5	0.5-1.0	1.0-2.0	2.0-4.0	4.0-5.0
Percentage (%)	34	20	24	19	3