

United Minechem 

EXPORT BROCHURE

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i Innovating with Minerals: Redefining
Excellence in Ceramics

WE ARE CURRENTLY

EXPORTING TO:



BANGLADESH



OMAN



TURKEY



THAILAND



VEITNAM

PRODUCT SPECIFICATIONS OF FELDSPAR

SODIUM FELDSPAR POWDER



Particulars : Sodium 10%
Port : Mundra
Packing : 50 KG Bag /
Jumbo Bag

SIO ₂	69.78
AL ₂ O ₃	18.80
FE ₂ O ₃	0.11
TIO ₂	0.09
CAO	0.90
MGO	0.07
K ₂ O	0.027
NA ₂ O	10.14
LOI ₁	1.5
L VALUE	80
A VALUE	1.5
B VALUE	4 to 1.5

PRODUCT SPECIFICATIONS OF FELDSPAR POTASSIUM FELDSPAR POWDER



Particulars : Potash 11%
Port : Mundra
Packing : 50 KG/
Jumbo Bag

SIO ₂	68.65
AL ₂ O ₃	16.68
FE ₂ O ₃	0.07
TIO ₂	0.007
CAO	0.40
MGO	0.054
K ₂ O	10
NA ₂ O	1.9 to 2.2
LOI ₁	10
L VALUE	80
A VALUE	1.5
B VALUE	4 to 5

PRODUCT SPECIFICATIONS OF FELDSPAR

POTASSIUM FELDSPAR POWDER

PROPERTIES	11%	10%
SiO ₂	67%(+/-2%)	68%(+/-2%)
Al ₂ O ₃	18%(+/-0.5%)	17.5%(+/-0.5%)
Fe ₂ O ₃	0.08(+/-0.01)	0.10(+/-0.02%)
TiO ₂	TRACE	TRACE
CaO	TRACE	TRACE
MgO	TRACE	TRACE
K ₂ O	11%(+/-0.5%)	10%(+/-0.5%)
Na ₂ O	2.25%(+/- 0.5%)	2.5%(+/- 0.5%)
LOI	00.10%	0.20%
FIRING RESULT	WHITE	MILKY WHITE

DESCRIPTION	MESH SIZE	K ₂ O
POTASSIUM FELDSPAR	200#	11%
POTASSIUM FELDSPAR	300#	11%
POTASSIUM FELDSPAR	200#	10%

PRODUCT SPECIFICATIONS OF KAOLIN CLAY (CHINA CLAY) 138



Origin : Gujarat
Packing : 1350kg / Jumbo Bag

PHYSICAL PROPERTIES

NAME OF TEST	%
L value	12.04
A value	0.17
B value	3.05
Whiteness	91.46
Plasticity	35.2
Residue IN 300#	0.05
T.D.S	370
SHRINKAGE	6.687

CHEMICAL PROPERTIES

SiO ₂	48.14
Al ₂ O ₃	36.16
Fe ₂ O ₃	0.31
TiO ₂	0.67
CaO	0.27
MgO	0.27
K ₂ O	0.08
Na ₂ O	0.59
LOI	13.23

PRODUCT SPECIFICATIONS OF BALL CLAY 139



Origin : Gujarat
Packing : 1350kg / Jumbo Bag

PHYSICAL PROPERTIES

NAME OF TEST	RESULT
Shrinkage %	12.04
Loss On Ignition %	11.74
Dry M.O.R kg/cm ²	39.8
Fired M.O.R kg/cm ²	372.5
Water Absorption %	2.07
Water of Plasticity %	41.2
T.D.S	910
Residue(240#% 2 minute grinding)	0.68
L*	82.05
A*	1.66
B*	12.67
Whiteness	60.42
Temperature C	1180/1203
Cycle Min.	42

CHEMICAL PROPERTIES

COMPOUND	RESULT %
SiO ₂ %	49.48
Al ₂ O ₃ %	31.94
Fe ₂ O ₃ %	1.2
TiO ₂ %	1.17
CaO %	2.08
MgO %	0.62
K ₂ O %	0.92
Na ₂ O %	0.44
Loss on Ignition %	12.01


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