



# KAM CERAMICS

INDUSTRIAL TRADING JLT

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Type : **BENTONITE**

Code : **K.C.BE-314**

Physical Analysis	
Percent of Montmorillonite	<b>61</b>
Percent Of Montmorillonite mn 619	*
Gelling index after 8 hours	<b>16</b>
Gelling index after 24 hours	<b>20</b>
Gelling index after 2 hours	*
WET Tensile Strength (kgf/cm2)	<b>0.08</b>
WET Compressive Strength (kgf/cm2)	<b>0.28</b>
Yield	<b>10.9</b>
PH	<b>9.36</b>
Swell index	<b>10</b>
Water Absorption Percent Next 1 Hour (%)	*
Water Absorption Percent Next 2 Hour(%)	*
Water Absorption Percent Next 4 Hour(%)	*
Water Absorption	<b>472</b>
<b>Moisture %</b>	<b>8.7</b>

Chemical analysis	
SiO2	<b>51.55</b>
Al2O3	<b>13.09</b>
Na2O	<b>1.83</b>
K2O	<b>0.88</b>
MgO	<b>2.92</b>
CaO	<b>5.35</b>
Fe2O3	<b>4.01</b>
TiO2	<b>0.65</b>
MnO	<b>0.03</b>
P2O5	<b>0.08</b>
SO3	<b>0.46</b>
Pb(ppm)	<b>9</b>
Sr(ppm)	<b>418</b>
Cl(ppm)	<b>1590</b>
L.O.I.	<b>18.77</b>

Mineral Composition
QUARTZ
Calcite
Hematite
Sanidine

Confirmed by :  
**KAM CERAMICS**

Date :