

MANUFACTURERS & EXPORTERS OF MICA & MINERALS  
SPECIALIST IN: MICA, MINERALS, CHEMICALS  
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## **TECHNICAL DATA SHEET**

### ANALYSIS OF MUSCOVITE MICA

<b><u>CHEMICAL COMPOSITION</u></b>	
Silica (SiO <sub>2</sub> )	48.65%
Alumina (Al <sub>2</sub> O <sub>3</sub> )	33.10%
Potassium Oxide (K <sub>2</sub> O)	9.87%
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	2.48%
Sodium Oxide (Na <sub>2</sub> O)	0.80%
Titanium Di-Oxide (TiO <sub>2</sub> )	0.20%
Calcium Oxide (CaO)	0.21%
Magnesium Oxide (MgO)	0.38%
Phosphorous (P)	0.03%
Sulphur (S)	0.01%
Graphitic Carbon (C)	0.44%
Ignition Loss (LOI)	3.50%
Moisture @ 105° C (H <sub>2</sub> O)	0.25%

<b><u>PHYSICAL COMPOSITION</u></b>	Approx
Specific Gravity	2.82
Refraction Index	1.58
Hardness (Moh's Scale)	2.5
pH Value (B.S. 3483)	7.7
pH for Distilled Water	4.2
<b>Effect by Common Acids</b>	Slight
<b>Phericity Factor</b>	0.01
<b>Bulk Density (Gms/CC)</b>	0.17 - 0.29