



**EL FEDAWIA CO.**  
MINING & MANUFACTURING

Section No.51, 52 & 53 Mineral  
Sector Bayad El-Arab industrial  
zone Bani-Suef, Egypt  
Telefax : +20 2 25204809  
Cellphone: +20 10 62539561

Code	FW5N	FW6N	FW8N	FW10N	FW12N	FW18N	FW25N	FW35N
<b>Chemical Analysis</b>								
CaCO <sub>3</sub>	<b>99 % Min.</b>							
MgO	<b>0.05 %</b>							
Fe <sub>2</sub> O <sub>3</sub>	<b>0.01 %</b>							
AL <sub>2</sub> O <sub>3</sub>	<b>0.01 %</b>							
SiO <sub>2</sub>	<b>0.02 %</b>							
L.O.I	<b>43.89 %</b>							
<i>Fineness</i>		<b>BY MALVERN MASTERSIZER 3000</b>						
D (97) ( $\pm 1 \mu\text{m}$ )	<b>5</b>	<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>18</b>	<b>25</b>	<b>35</b>
D (50) ( $\pm 0.2 \mu\text{m}$ )	<b>1.4</b>	<b>1.6</b>	<b>2</b>	<b>2.5</b>	<b>3.4</b>	<b>4.5</b>	<b>5.5</b>	<b>6.5</b>
< 2 $\mu\text{m}$	<b>70 <math>\pm 2</math> %</b>	<b>60 <math>\pm 2</math> %</b>	<b>50 <math>\pm 2</math> %</b>	<b>40 <math>\pm 2</math> %</b>	<b>34 <math>\pm 2</math> %</b>	<b>30 <math>\pm 2</math> %</b>	<b>25 <math>\pm 2</math> %</b>	<b>20 <math>\pm 2</math> %</b>
<b>Physical Analysis</b>								
Brightness (RY) (Min.)	<b>96.50%</b>	<b>96.50%</b>	<b>96.50 %</b>	<b>96.50 %</b>	<b>96.00 %</b>	<b>96.00 %</b>	<b>96.00 %</b>	<b>95.8 %</b>
Whiteness (Min.)	<b>98.50%</b>	<b>98.50%</b>	<b>98.50 %</b>	<b>98.50 %</b>	<b>98.00 %</b>	<b>98.00 %</b>	<b>98.00 %</b>	<b>97.8 %</b>
Hardness (Mohs)	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
Moisture (wt. %)	<b>0.2 Max.</b>	<b>0.2 Max.</b>	<b>0.2 Max.</b>	<b>0.2 Max.</b>	<b>0.2 Max.</b>	<b>0.2 Max.</b>	<b>0.2 Max.</b>	<b>0.2 Max.</b>
PH value (ISO 787/9)	<b>9 Max.</b>	<b>9 Max.</b>	<b>9 Max.</b>	<b>9 Max.</b>	<b>9 Max.</b>	<b>9 Max.</b>	<b>9 Max.</b>	<b>9 Max.</b>
bulk Density (g/cm <sup>3</sup> ) ( ISO 787/11 )	<b>0.45 <math>\pm 0.05</math></b>	<b>0.5 <math>\pm 0.05</math></b>	<b>0.55 <math>\pm 0.05</math></b>	<b>0.57 <math>\pm 0.05</math></b>	<b>0.6 <math>\pm 0.05</math></b>	<b>0.7 <math>\pm 0.05</math></b>	<b>0.8 <math>\pm 0.05</math></b>	<b>0.85 <math>\pm 0.05</math></b>
Linseed Oil absorption (g/100g) ( ISO 787/5 )	<b>22.5 <math>\pm 1</math></b>	<b>21.5 <math>\pm 1</math></b>	<b>20.5 <math>\pm 1</math></b>	<b>19.5 <math>\pm 1</math></b>	<b>19 <math>\pm 1</math></b>	<b>18 <math>\pm 1</math></b>	<b>17 <math>\pm 1</math></b>	<b>16 <math>\pm 1</math></b>