

**Name of Chemical : Titanium Dioxide (Rutile Grade)**

**Trade Name : Ajantox RD-01 PG**

**PIGMENTARY CHARACTERISTICS/CHEMICAL COMPOSITION**

<i>Sl No.</i>	<i>Characteristics</i>	<i>Requirement</i>	<i>Typical Result</i>
<b>1</b>	<b>Mas tone</b>	<b>Close Match to approved standard</b>	<b>Close Match</b>
<b>2</b>	<b>Reducing tone</b>	<b>Not inferior to std</b>	<b>Not Inferior</b>
<b>3</b>	<b>Volatile matter(at 120°C)</b>	<b>0.50%(max)</b>	<b>0.15</b>
<b>4</b>	<b>Water soluble</b>	<b>0.50%(max)</b>	<b>0.43</b>
<b>5</b>	<b>P<sup>H</sup> of 10% aqu.Suspension</b>	<b>6 - 8</b>	<b>7.7</b>
<b>6</b>	<b>Residue on 325 mesh</b>	<b>0.05%(max)</b>	<b>0.032</b>
<b>7</b>	<b>Relative density</b>	<b>3.9 - 4.2</b>	<b>4.19</b>
<b>8</b>	<b>Oil absorption</b>	<b>15.0 - 25.00</b>	<b>17.56</b>
<b>9</b>	<b>TiO<sub>2</sub></b>	<b>98.00%(min)</b>	<b>98.5</b>
<b>10</b>	<b>Tinting strength</b>	<b>1500(min)</b>	<b>1600</b>
<b>11</b>	<b>Iron content ppm</b>	<b>120(max)</b>	<b>84</b>
<b>12</b>	<b>Surface treatment</b>	<b>Nil</b>	<b>Nil</b>