

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

**Trade name : Ajantox A-PG**

**PIGMENTARY CHARACTERISTICS / CHEMICAL COMPOSITION**

<i>Characteristics</i>	<i>Requirement</i>	<i>Typical result</i>
<b>Volatile matter at 105°C % (max)</b>	<b>0.5 % (max)</b>	<b>0.17</b>
<b>Residue on 45 micron (325 mesh IS sieve)</b>	<b>0.04 % (max)</b>	<b>0.020</b>
<b>Oil absorption</b>	<b>15 – 30%</b>	<b>21.86</b>
<b>Colour in Oil</b>	<b>Close match to the approved sample</b>	<b>Match-better</b>
<b>Reducing power</b>	<b>Not inferior to the approved sample</b>	<b>Match-better</b>
<b>Relative density at 27° C</b>	<b>3.7 – 3.9</b>	<b>3.76</b>
<b>Matter soluble in water</b>	<b>0.50 % (max)</b>	<b>0.42</b>
<b>pH of 20% pigment slurry in distilled water</b>	<b>6 - 8</b>	<b>7.3</b>
<b>Titanium dioxide</b>	<b>98.0% (min)</b>	<b>98.32</b>
<b>Fe</b>	<b>100 ppm (max)</b>	<b>84</b>
<b>P<sub>2</sub>O<sub>5</sub></b>	<b>0.50% (max)</b>	<b>0.30</b>