

**Name of Chemical : Titanium Dioxide , Anatase**

**Trade name : Ajantox-GP**

**PIGMENTARY CHARACTERISTICS / CHEMICAL COMPOSITION**

Characteristics	Requirement	Typical result
Volatile matter at 105°C 0.5 % (max)	0.80% (max)	0.38
Residue on 45 micron (325 mesh IS sieve)	0.50%(Max)	0.08
Oil absorption	15 – 30%	22.68
Colour in Oil	Sl.inferior – better to approved sample	Sl.inferior
Reducing power	Sl.inferior – better to approved sample	Sl.inferior
Relative density at 27° C	3.6 – 3.95	3.76
Matter soluble in water	0.70 % (max)	0.48
pH of 20% pigment slurry in distilled water	5.5 - 8.5	7.5
Titanium dioxide	97.50% (min)	98.25
Fe	336 ppm (max)	196
P <sub>2</sub> O <sub>5</sub>	0.70% (max)	0.34