

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>
Volatile matter at 105°C % (max)	0.5 % (max)	0.17
Residue on 45 micron (325 mesh IS sieve)	0.04 % (max)	0.020
Oil absorption	15 – 30%	21.86
Colour in Oil	Close match to the approved sample	Match-better
Reducing power	Not inferior to the approved sample	Match-better
Relative density at 27° C	3.7 – 3.9	3.76
Matter soluble in water	0.50 % (max)	0.42
pH of 20% pigment slurry in distilled water	6 - 8	7.3
Titanium dioxide	98.0% (min)	98.32
Fe	100 ppm (max)	84
P₂O₅	0.50% (max)	0.30