

## PRODUCT SPECIFICATIONS

### BTD-401

*INCI Name: Titanium Dioxide (And) Isopropyl Titanium Triisostearate*

Test ID	Test Name	Specification	Test Methods
001A	Appearance	Fine White Powder, No Grit	Visual
002A	Odor	Waxy note, similar in character and intensity to standard	Organoleptic
003A	Color	To Match Standard	Drawdown dispersion in castor oil
010B	Loss on Drying, %	Min : 0 - Max : 1	15 min at 80 C
012B	Microbiology	<100 cfu/g; No Pathogens	Current USP Microbial Limit Test
016A	TiO <sub>2</sub> %	Min : 97	Acid Digest/ICP-AES
024F	Median Particle Size, µm	Min : 0.20 - Max : 0.30	Light Scattering Sizer
027F	Arsenic, ppm	Min : 0 - Max : 1	AAS
029B	Lead, (as Pb), ppm	Min : 0 - Max : 10	Weak Acid Extraction AA Method
031D	Mercury, ppm	Min : 0 - Max : 1	Weak Acid Extraction AA Method
032A	Antimony, ppm	Min : 0 - Max : 2	AAS
033B	Hydrophobicity	Float 0.5g on 50 ml of water for more than 1 hour.	Float powder on water at room temperature
037A	Oil Absorption, g. / 100g.	Min : 25 - Max : 45	ASTM Method D281-84
038A	Apparent Density, gm/cbi	Min : 8 - Max : 11	CTFA Method C8-2, Scott Volumeter
877X	Base pigments	Prior to surface treatment, TiO <sub>2</sub> meets 21 CFR, E-171 and USP specifications.	Tested by supplier

Patent # 4,877,604

*If you have any questions about the information contained within this document, please contact Kobo's QC department extension 7113 or 7106.*  
Feb. 2012