

PRODUCT SPECIFICATIONS

Product: **BTD-401**

INCI Name: Titanium Dioxide (CI 77891) (And) Isopropyl Titanium Triisostearate

<u>Test ID</u>	<u>Test Name</u>	<u>Specification</u>			<u>Test Method</u>
		<u>Min</u>	<u>/ Max</u>	<u>/ Text</u>	
001A	Appearance	Fine white powder; No grit			Visual
002A	Odor	Waxy note, similar in character and intensity to standard			Organoleptic
003K	Color	To Match Standard			Compare pressed pigment
010A	Loss on Drying, %	0.00		1.00	1 gram sample, 2 hr @ 105°C
012B	Microbiology	Total bacterial count < 100/g (ml); Yeast and mold < 100/g (ml); No gram negative or positive			Current USP Microbial Limit Test
016B	TiO ₂ %	94.00		99.00	XRF
024F	Median Particle Size, μm	0.00		1.50	Light Scattering Sizer
033A	Hydrophobicity	Place 1g On 45g water. Shake 10 times. Water remains clear			Shake powder with water in a jar
037A	Oil Absorption, g. / 100g.	15		40	ASTM Method D281-84
038A	Apparent Density, gm/cbi	4.00		9.00	CTFA Method C8-2, Scott Volumeter
	* Notes on Storage	Store under dry conditions and keep containers closed.			
	* Note				
	Heavy Metal(s)				
	Base pigments	Prior to surface treatment, TiO ₂ meets 21 CFR, E-171 and USP specifications.			
027H	Arsenic (as As), ppm	0		1	FDA method
029D	Lead, ppm	0		10	FDA Method
031F	Mercury, ppm	0		1	FDA method
032J	Antimony, ppm	0		2	FDA method

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If you have any questions about the information contained within this document, please contact Stephanie Fiallos, tel +1 (908) 941-9108.

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