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PRODUCT SPECIFICATIONS

Product: BTD-401

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

Test ID	Test Name	Specification Min / Max / Text		Test Method
001A	Appearance	Fine white powder; No grit		Visual
002A	Odor	Waxy note, similar in character and intensity to standard		Organoleptic
010A	Loss on Drying, %	0.00	1.00	1 gram sample, 2 hr @ 105°C
012B	Microbiology	Total bacterial count < 100cfu/g (ml); Yeast and mold < 100cfu/g (ml); No gram negative or positive		Current USP Microbial Limit Test
016B	TiO2%	94.00	99.00	XRF
024F	Median Particle Size, µm	0.00	1.50	Laser Diffraction
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, TiO2 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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