

PRODUCT SPECIFICATIONS

Product: TTO-MS4

INCI Name: Titanium Dioxide (And) Alumina (And) Hydrogen Dimethicone

<u>Test ID</u>	<u>Test Name</u>	<u>Specification</u>			<u>Test Method</u>
		<u>Min</u>	<u>/</u>	<u>Max</u> / <u>Text</u>	
001A	Appearance	Fine White Powder, No Grit			Visual
002A	Odor	Characteristic, TMS			Organoleptic
010A	Loss on Drying, %	0.00		1.00	1 gram sample, 2hrs. @ 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 %	77.0		84.0	XRF
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.	60		100	ASTM Method D281-84
038A	Apparent Density, gm/cbi	4.0		7.0	CTFA Method C8-2, Scott Volumeter
996A	* Notes on Storage	Store under dry conditions and keep containers closed.			
	Heavy Metal(s)				
027H1	Arsenic, ppm	0		1	ICP-MS (Weak Acid Extraction)
029D1	Lead, ppm	0		10	ICP-MS (Weak Acid Extraction)
031F1	Mercury, ppm	0		1	ICP-MS (Weak Acid Extraction)

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

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