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PRODUCT SPECIFICATION

Product: BYO-HP-I2

INCI Name: Iron Oxides (CI 77492) (And) Isopropyl Titanium Triisostearate

Test ID	Test Name	Specification Min / Max / Text		Test Method
001A	Appearance	Fine yellow powder		Visual
002A	Odor	Slight waxy odor, To Match Standard		Organoleptic
003P	Color - Delta L	-1.00	1.00	Colorimeter
003Q	Color - Delta a	-1.00	1.00	Colorimeter
003R	Color - Delta b	-1.00	1.00	Colorimeter
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
033B	Hydrophobicity	Float 0.5g on 50 ml of water for more than 1 hour.		Float powder on water at room temperature
	* Notes on Storage	Store under dry conditions and keep containers closed.		
	Heavy Metal(s)			
	Base pigments	Colorant meets all requirements of US 21CFR, parts 70-82 and EU Regulation (EC) No 1223/2009, Annex IV.		
027E1	Arsenic, ppm	0	2	Total Dissolution - AAS
029P1	Lead, ppm	0	1	Total Dissolution - ICP-MS
031L1	Mercury, ppm	0	1	Total Dissolution - ICP-MS
080F1	Cadmium, ppm	0	1	Total Dissolution - ICP-MS

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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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