

## **PRODUCT SPECIFICATIONS**

### PF-5 TiO<sub>2</sub> CR-50

*INCI Name: Titanium Dioxide (And) C9-15 Fluoroalcohol Phosphate (And) Alumina*

<b>Test ID</b>	<b>Test Name</b>	<b>Specification</b>	<b>Test Methods</b>
001A	Appearance	White Fine Powder	Visual
002A	Odor	Odorless	Organoleptic
003A	Color	To Match Standard	Drawdown dispersion in castor oil
010C	Loss on Drying, %	Min : 0 - Max : 3	3hrs. @ 105°C/USP Method
012B	Microbiology	<100 cfu/g; No Pathogens	Current USP Microbial Limit Test
016C	Identification of TiO <sub>2</sub>	To Match Standard	USP
017B	Loss on Ignition, %	Min : 0 - Max : 8	3hrs. @ 500°C
022A	Chloride	Not Yield White Precipitate	JSCI Test of Chloride
023A	Diethanolamine	Not Show Blue in Solution	JSCI Test of Diethanolamine
025F	pH 5% Aq. Ethanol	Min : 5 - Max : 7	5% dispersion in 30% aqueous ethanol
027G	Arsenic, ppm	Min : 0 - Max : 1	CTFA Method F 1-1, Silver Diethyldithiocarbamate
029B	Lead, (as Pb), ppm	Min : 0 - Max : 10	Weak Acid Extraction AA Method
031G	Mercury (ppm)	Min : 0 - Max : 1	
032D	Antimony (ppm)	Min : 0 - Max : 2	
033B	Hydrophobicity	0.1g of material does not sink in 50 ml water bath	Float powder on water at room temperature
047A	Lipophobicity	0.1g of material does not sink in 50 ml paraffin bath.	
080D	Cadmium (ppm)	Min : 0 - Max : 1	
084D	Zinc (ppm)	Min : 0 - Max : 50	ICP-AES
998A	* Note	This product meets USP Titanium Dioxide criteria prior to surface coating and is classified as attenuation grade.	

tel : 908-757-0033  
fax : 908-757-0905

# **KOBO**

www.koboproducts.com  
info@koboproductsinc.com

---

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

Jan. 2011