

## PRODUCT SPECIFICATIONS

### DMTMF50XZ4

*INCI Name: Zinc Oxide (And) Dimethicone (And) Methyl Trimethicone (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Methicone*

Test ID	Test Name	Specification	Test Methods
001A	Appearance	Off White Liquid, TMS	Visual
002A	Odor	Characteristic, TMS	Organoleptic
004A	Viscosity, cPs @ 25C	Min : 500 - Max : 3500	Brookfield Viscometer
007A	Specific Gravity, @25C	Min : 1.40 - Max : 1.60	Weight per Gallon Cup
008A	Zinc Oxide, %	Min : 46 - Max : 50	USP
012B	Microbiology	<100 cfu/g; No Pathogens	Current USP Microbial Limit Test
024G	Mean Particle Size, nm	Min : 150 - Max : 200	Photo Correlation Spectroscopy
024K	Standard Deviation, nm	Min : 0 - Max : 90	Photo Correlation Spectroscopy
027I	Arsenic (As), ppm	Min : 0 - Max : 3	
029B	Lead, (as Pb), ppm	Min : 0 - Max : 10	Weak Acid Extraction AA Method
036A	Identification	To Match Standard	IR
998A	* Note	Dry zinc oxide powder meets USP requirements prior to surface treatment.	
998X	* Note Internal only	IR test required	

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

Aug. 2010