



TKB TRADING, LLC  
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**Certificate of Analysis**  
 (Representative Sample Certificate)

Product Name            TITANIUM DIOXIDE WATER DISPERSIBLE

Batch/Lot                Not available (data may vary slightly with different lots or batches)

Manuf.Date               Not available

Acidity—limit of 1.0 ml 0.01N NaOH  
 Appearance of Solution—Solution was clear  
 Metals: Antimony—<1ppm    Arsenic—<1ppm  
 Barium—<1ppm    Cadmium—<1ppm  
 Iron—<25ppm    Mercury—<1ppm  
 Zinc—<50ppm    Heavy Metals—<20ppm  
 Aluminum Oxide and/or Silicon Dioxide (by calculation)—2.0% max.  
 OVI-complies with USP requirements.  
 Particle Size@90% <1.7 microns.  
 EP Identification A, B and C—Passes  
 No Alumina or Silica are added to this product during the manufacturing process.  
 The crystal type is Anatase.

Complies to E171 2312/2012/EC, BP 1993 and the current editions of the USP, JP and EP. This product is a white powder.

Test Identification	Description	Min Value	Max Value	Test Value	Status
ACIDSOLUB	% ACID SOLUBLE	0	.50	.25	On-Spec
AL2O3	ALUMINUM OXIDE (%)	0	.20	0	On-Spec
ANTIMONY	ANTIMONY PPM	0	2.00	.50	On-Spec
ARSENIC	ARSENIC PPM	0	1.00	0	On-Spec
COLIFORM	COLIFORM <10 CFU/g	0	0	PASS	
ECOLI	E. COLI (NEG/10g)			PASS	
H2OSOLUB	% WATER SOLUBLE	0	.25	.16	On-Spec

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LEAD	LEAD PPM	0	10.00	.60	On-Spec
LOD	% LOSS ON DRYING	0	.50	.14	On-Spec
LOSSIGNIT	% LOSS ON IGNITION	0	.50	.11	On-Spec
MERCURY	MERCURY PPM	0	1.00	.20	On-Spec
PSEUDO	P. AERUGINOSA (NEG/10g)			PASS	
SALMON10G	SALMONELLA (NEG/10g)			PASS	
STAPH	S. AUREUS (NEG / 10g)			PASS	
TIO2	% TIO2	99.00	100.50	99.44	On-Spec
TPC	TOTAL PLATE CT (CFU/g)	0	1000.00	0	On-Spec
YEASTMOLD	YEAST AND MOLD(CFU/g)	0	100.00	0	On-Spec