

Certificate of Analysis

Product Name	Titanic Gold	Color	Golden	
Particle size (um)	5-25	Appearance	Dry powder	
Chemical Composition	Percent(%)	CI NO.	CAS NO.	EINECS NO.
Mica	32-43	77019	12001-26-2	310-127-6
Titanium Dioxide(TiO ₂)	55-60	77891	13463-67-7	236-675-5
Iron Oxides(Fe ₂ O ₃)	2-7	77491	1309-37-1	215-168-2
SnO ₂	0-1	77861	18282-10-5	242-159-0

Solubility in Water	Not soluble		
Chemical Resistance	Stable in Dilute Acid & Alkali		
Loss on drying (105°C , 2 hours)	≤0.5%		
PH-value(10% aqueous suspension)	6-10		
Bulk density (g/cm³)	0.20-0.40		
Heavy metals:	Element	Standard Limits (pps)	Result
	Arsenic	<2	Pass
	Mercury	<1	Pass
	Antimony	<2	Pass
	Lead	<10	Pass
	Cadmium	<1	Pass
	Chrome	<100	Pass
	Barium	<50	Pass
	Nickel	<10	Pass
	Copper	<50	Pass
Zinc	<50	Pass	
Microbial Purity:	Aerobic Bacterial Count (CFU/g)	Max. 100	Pass
	Molds and Yeast Count (CFU/g)	Max. 100	Pass
	Pathogens	Negative	Pass

Chromatic Aberration

Items	Standard Sample	Tested Sample	Chromatic Aberration
L*	79.01	79.01	0.00
a*	9.53	9.53	0.00
b*	34.28	34.28	0.00
ΔE*			0.00

Sample preparation: As per TKB Testing Process
 Standard sample: T.I.G (Lot no.: 15.06.25)
 Tested sample: T.I.G (Lot no.: 15.06.25)

Test average n=3
 Instrument: Colorimeter
 Lamp-house/points of view: D65/10°

We confirm TKB Pigments are free from the following Chemicals:

Free from Polycyclic Aromatic Hydrocarbons (PAH);
 Free from Polychlorobiphenyls (PCB)