

Certificate of Analysis

Product Name	Icicle	Color	Icy White	
Particle size (um)	30-120	Appearance	Dry powder	
Chemical Composition	Percent(%)	CI NO.	CAS NO.	EINECS NO.
Synthetic Fluorphlogopite	51-62		12003-38-2	234-426-5
Titanium Dioxide(TiO ₂)	25-30	77891	13463-67-7	236-675-5
Silica (SiO ₂)	13-18		7631-86-9	231-545-4
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)	4-8		
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*	71.98	72.18	0.19
a*	4.57	4.15	-0.41
b*	3.63	3.49	-0.14
ΔE*			0.47
Sample preparation: As per Testing Process		Test average n=3	
Standard sample: N/A		Instrument: Colorimeter	
Tested sample: N/A		Lamp-house/points of view: D65/10°	

We confirm TKB Trading Pigments are free from the following Chemicals:

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