

**Certificate Of Analysis (COS)
 (Representative Sample)**

Product Name	SHANIRA SUN	Color	White	
Particle size (um)	100-260	Appearance	Dry powder	
Chemical Composition	Percent(%)	CI NO.	CAS NO.	EINECS NO.
Synthetic Fluorophlogopite	52-63		12003-38-2	234-426-5
Silica (SiO ₂)	21-26		7631-86-9	231-545-4
Titanium Dioxide(TiO ₂)	16-21	77891	13463-67-7	236-675-5
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)	3-7
Bulk density (g/cm³)	0.20-0.50

	Element	Standard Limits (pps)	Result
Heavy metals:	Arsenic	<2	Pass
	Mercury	<1	Pass
	Antimony	<2	Pass
	Lead	<10	Pass
	Cadmium	<3	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
Molds and Yeast Count (CFU/g)		Max. 100	Pass
Pathogens		Negative	Pass

Chromatic Aberration

Items	Standard Sample	Tested Sample	Chromatic Aberration
L*	90.62	90.50	-0.11
a*	0.39	0.63	0.23
b*	3.19	3.33	0.13
ΔE*			0.28

Sample preparation: As per TKB Testing Process	Test average n=3
Standard sample: SS	Instrument: Colorimeter
Tested sample: SS	Lamp-house/points of view: D65/10°

We confirm TKB Pearl Lustre Pigments are free from the following Chemicals:
 Free from Polycyclic Aromatic Hydrocarbons (PAH);
 Free from Polychlorobiphenyls (PCB)