



# Certificate of Analysis (Representative Sample)

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<b>Product Name</b>	Marinda Star	<b>Color</b>	Mauve/Red/Orange/Yellow	
<b>Particle size (um)</b>	100-260	<b>Appearance</b>	Dry powder	
<b>Chemical Composition</b>	<b>Percent(%)</b>	<b>CI NO.</b>	<b>CAS NO.</b>	<b>EINECS NO.</b>
Synthetic Fluorophlogopite	60-71		12003-38-2	234-426-5
Silica (SiO <sub>2</sub> )	17-22		7631-86-9	231-545-4
Titanium Dioxide(TiO <sub>2</sub> )	12-17	77891	13463-67-7	2366755
SnO <sub>2</sub>	0-1	77861	18282-10-5	2421590

<b>Solubility in Water</b>	Not soluble		
<b>Chemical Resistance</b>	Stable in Dilute Acid & Alkali		
<b>Loss on drying (105°C , 2 hours)</b>	≤0.5%		
<b>PH-value(10% aqueous suspension)</b>	3-7		
<b>Bulk density (g/cm<sup>3</sup>)</b>	0.20-0.50		
<b>Heavy metals:</b>	<b>Element</b>	<b>Standard Limits (pps)</b>	<b>Result</b>
	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	
<b>Microbial Purity:</b>	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*	89.95	90.02	0.07
a*	0.30	0.23	-0.07
b*	1.31	1.52	0.20
ΔE*			0.22
Sample preparation: As per Testing Process Standard sample: Mari. Star Tested sample: Mari. Star		Test average n=3 Instrument: Colorimeter 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)