

Certificate of Analysis

Product Name CLOISSONNE	RED	Color	Carmine	
Particle size (um)	10-60	Appearance	Dry powder	
Chemical Composition	Percent(%)	CI NO.	CAS NO.	EINECS NO.
Mica	42-50	77019	12001-26-2	3101276
Titanium Dioxide(TiO ₂)	48-53	77891	13463-67-7	2366755
Carmine	2-4	75470	1260-17-9	2157244(1)
SnO ₂	0-1	77861	18282-10-5	2421590

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)	3-9		
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*	64.03	64.12	0.08
a*	16.04	15.97	-0.07
b*	0.10	-0.31	-0.41
ΔE*			0.42

Sample preparation: As per TKB Testing Process
 Standard sample: Lot no.: 15.01.19
 Tested sample: Lot no.: 16.03.21

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)