

PRODUCT SPECIFICATION

Product: K-RAY® SM Molten Metal

INCI Name: Synthetic Fluorophlogopite (And) Silica (And) Titanium Dioxide (And) Iron Oxides (CI 77491)

Test ID	Test Name	Specification			Test Method
		Min	/ Max	/ Text	
001A	Appearance	Free flowing shell pink powder			Visual
002A	Odor	Odorless			Organoleptic
010A	Loss on Drying, %	0		0.5	1 gram sample, 2 hr @ 105°C
012B	Microbiology	Total bacterial count < 100/g (ml); Yeast and mold < 100/g (ml); No gram negative or positive			Current USP Microbial Limit Test
015N	TiO ₂ %	15		25	CLRTM-48
024W	Particle Size Range, µm >95% between Min/Max	10		60	CLRTM-42
025U	pH-Value (10% Aqueous Suspension)	4		11	CLRTM-45
037K	Oil Absorption, g/100g	45		90	CLRTM-46
038J	Density, g/cm ³	2.6		3.6	CLRTM-47
167G	Particle size, D50, um	26		30	Light Scattering
	* Notes on Storage	Store under dry conditions and keep containers closed.			
	Heavy Metal(s)				
	Base pigments	The color components in this product meet the applicable US FDA 21-CFR, Japan MHW, and EU Regulation (EC) No 1223/2009 specifications and purity requirements.			
027X	Arsenic, ppm	0		2	CLRTM-55
029U	Lead, ppm	0		10	CLRTM-55
031K	Mercury, ppm	0		1	CLRTM-55
032F	Antimony, ppm	0		2	CLRTM-55
079E	Barium, ppm	0		50	CLRTM-55
080E	Cadmium, ppm	0		4	CLRTM-55
081D	Chromium, ppm	0		100	CLRTM-55
082D	Copper, ppm	0		50	CLRTM-55

If you have any questions about the information contained within this document, please contact Stephanie Fiallos, tel +1 (908) 941-9108.

Sep. 2023

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		<u>Min</u>	<u>/</u>	<u>Max</u>		<u>/</u>
083D	Nickel, ppm	0		50		CLRTM-55