

PRODUCT SPECIFICATIONS



CQV Co., Ltd.

Product Name:	CQV PEARL PIGMENT
Trade Name:	Synthetic Mica Powder 1000S
Manufacturer:	CQV Co., Ltd. 144, Seongjung-Ro, Jincheon-Eup, Jincheon-Gun, Chungbuk-Do, Korea Tel. 82-43-531-2500, Fax. 82-43-536-0314
Date Prepared:	Rev. 7, March 1th, 2020

1. Appearance:	Silver White, Free-flowing Powder
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2. Ingredients and Composition	Composition		By Weight (%)	
	Composition	By Weight (%)	Composition	By Weight (%)
INCI Name Synthetic Fluorophlogopite	SiO ₂	42.5 - 43.0	F	8.8 - 9.1
	K ₂ O	10.6 - 11.2	Fe ₂ O ₃	0.14 - 0.16
	NaO	0.30 - 0.56	Al ₂ O ₃	10.5 - 11.0
	P	< 0.005	CaO	0.8 - 1.6
	MgO	26.0 - 26.6	S	< 0.010

3. Particle Size (μm):	Mean Diameters	D10	-	D90	(By Malvern Mastersizer 2000S)
		9	-	45	

4. pH:	5.5 - 7.5	(10% Aqueous Suspension)
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5. Loss on Drying:	1.0 % max.
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6. Loss on Ignition:	5.0 % max.
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7. Acid Soluble Substances:	2.0 % max.
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8. Density (20 °C) (g/cm ³)	2.6 - 2.9
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9. Bulk Density (g/cm ³)	0.10 - 0.25
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10. Trace Elements:	Mercury (Hg)	1 ppm max.	Internal Method
	Arsenic (As)	1 ppm max.	
	Lead (Pb)	1 ppm max.	
	Cadmium (Cd)	1 ppm max.	
	Barium (Ba)	10 ppm max.	
	Antimony (Sb)	1 ppm max.	
	Copper (Cu)	10 ppm max.	
	Chromium (Cr)	10 ppm max.	
	Nickel (Ni)	10 ppm max.	
	Zinc (Zn)	10 ppm max.	

11. Microorganisms:	100 CFU/g max.	No Pathogens
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