

# PRODUCT SPECIFICATIONS



**CQV Co., Ltd.**

<b>Product Name:</b>	<b>CQV PEARL PIGMENT</b>
<b>Trade Name:</b>	<b>Synthetic Mica Powder 1000D</b>
<b>Manufacturer:</b>	<b>CQV Co., Ltd.</b> 144, Seongjung-Ro, Jincheon-Eup, Jincheon-Gun, Chungbuk-Do, Korea Tel. 82-43-531-2500, Fax. 82-43-536-0314
<b>Date Prepared:</b>	Rev. 5, February 18th, 2013

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

<b>3. Particle Size (μm):</b>	Mean Diameters	D10	-	D90	(By Malvern Mastersizer 2000S)
		3	-	25	

<b>4. pH:</b>	5.5 - 7.5	(10% Aqueous Suspension)
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<b>5. Loss on Drying:</b>	1.0 % max.
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<b>6. Loss on Ignition:</b>	5.0 % max.
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<b>7. Acid Soluble Substances:</b>	2.0 % max.
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<b>8. Density (20 °C) (g/cm<sup>3</sup>)</b>	2.6 - 2.9
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<b>9. Bulk Density (g/cm<sup>3</sup>)</b>	0.10 - 0.25
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<b>10. Trace Elements:</b>	Mercury (Hg)	1 ppm max.	EU/FDA
	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.	

<b>11. Microorganisms:</b>	100 CFU/g max.	No Pathogens
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