

**PRODUCT SPECIFICATIONS****CQV Co., Ltd.**

<b>Product Name:</b>	<b>CQV PEARL PIGMENT</b>
<b>Trade Name:</b>	<b>Reflex™ Crystal Copper R-640P</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. 2, February 18th, 2013

<b>1. Appearance:</b>	Sparkle Brown, Free-flowing Powder
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**2. Ingredients and Composition**

Ingredients	Composition	By Weight (%)	CAS No.	EINECS
Synthetic Fluorophlogopite	$KMg_3AlSi_3O_{10}F_2$	77 - 87	12003-38-2	234-426-5
Iron Oxide	$Fe_2O_3$	13 - 23	1309-37-1	215-168-2

<b>3. Particle Size (<math>\mu m</math>):</b>	Mean Diameters	D10	-	D90	(By Malvern Mastersizer 2000S)
		25	-	150	

<b>4. pH:</b>	7.0 - 11.0	(10% Aqueous Suspension)
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<b>5. Loss on Drying:</b>	0.5 % max.
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<b>6. Loss on Ignition:</b>	0.5 % max.
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<b>7. Density (<math>g/cm_3</math>)</b>	3.0 - 3.4
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<b>8. Oil Absorption (g/100g)</b>	74 - 94
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<b>9. Acid Soluble Substances:</b>	2.0 % max.
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<b>10. Trace Elements:</b>	Mercury (Hg)	1 ppm max.	IEC 62321
	Lead (Pb)	10 ppm max.	
	Cadmium (Cd)	5 ppm max.	
	Hexavalent Chromium( $Cr^{6+}$ )	5 ppm max.	