

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

<b>Product Name:</b>	<b>CQV PEARL PIGMENT</b>					
<b>Trade Name:</b>	<b>Chaos<sup>®</sup> Rutile Fine White C-901D</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>	Fine Silk White, Free-flowing Powder					
<b>2. Ingredients and Composition</b>						
Ingredients	Composition	By Weight (%)			CAS No.	EINECS
Synthetic Fluorophlogopite	$KMg_3AlSi_3O_{10}F_2$	63	-	74	12003-38-2	234-426-5
Tin Oxide	$SnO_2$	0	-	1	18282-10-5	242-159-0
Titanium Dioxide	$TiO_2$	26	-	36	13463-67-7	236-675-5
<b>3. Particle Size (<math>\mu m</math>):</b>	Mean Diameters	D10	-	D90	(By Malvern Mastersizer 2000S)	
		5	-	25		
<b>4. pH:</b>	7.0 - 11.0			(10% Aqueous Suspension)		
<b>5. Loss on Drying:</b>	0.5 % max.					
<b>6. Loss on Ignition:</b>	0.5 % max.					
<b>7. Density (g/cm<sub>3</sub>)</b>	3.1 - 3.4					
<b>8. Oil Absorption (g/100g)</b>	60 - 80					
<b>9. Acid Soluble Substances:</b>	2.0 % max.					
<b>10. Trace Elements:</b>	Mercury (Hg)			1 ppm max.		IEC 62321
	Lead (Pb)			10 ppm max.		
	Cadmium (Cd)			1 ppm max.		
	Hexavalent Chromium( $Cr^{6+}$ )			5 ppm max.		