

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

<b>Product Name:</b>	<b>CQV PEARL PIGMENT</b>					
<b>Trade Name:</b>	<b>Chaos<sup>®</sup> Ultra Black C-119M</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>	February 2th, 2015					
<b>1. Appearance:</b>	Brilliant Black, Free-flowing Powder					
<b>2. Ingredients and Composition</b>						
Ingredients	Composition	By Weight (%)			CAS No.	EINECS
Synthetic Fluorophlogopite	$KMg_3AlSi_3O_{10}F_2$	46	-	60	12003-38-2	234-426-5
Iron Oxide	$Fe_2O_3$	12	-	20	1309-37-1	215-168-2
Cobalt Oxide	$Co_3O_4$	28	-	34	1308-06-1	215-157-2
<b>3. Particle Size (<math>\mu m</math>):</b>	Mean Diameters	D10	-	D90	(By Malvern Mastersizer 2000S)	
		4	-	20		
<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>	2.9 - 3.3					
<b>8. Oil Absorption (g/100g)</b>	58 - 78					
<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.		