

# PRODUCT SPECIFICATIONS



**CQV Co., Ltd.**

<b>Product Name:</b>	<b>CQV PEARL PIGMENT</b>
<b>Trade Name:</b>	<b>Chaos<sup>®</sup> Fine Black Pearl C-119D</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>	Brilliant Black, Free-flowing Powder
-----------------------	--------------------------------------

2. Ingredients and Composition					
Ingredients	Composition	By Weight (%)		CAS No.	EINECS
Synthetic Fluorophlogopite	$KMg_3AlSi_3O_{10}F_2$	48	- 62	12003-38-2	234-426-5
Iron Oxide	$Fe_2O_3$	10	- 18	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)
		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>	3.2 - 3.5
--------------------------------------	-----------

<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.	