

# PRODUCT SPECIFICATIONS



**CQV Co., Ltd.**

<b>Product Name:</b>	<b>CQV PEARL PIGMENT</b>					
<b>Trade Name:</b>	<b>Reflex™ Natural Fine Blue N-581D</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. 1, 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.	CI No.	
Mica	$K_2O \cdot 3Al_2O_3 \cdot 6SiO_2 \cdot 2H_2O$	39	-	50	12001-26-2	77019
Tin Oxide	$SnO_2$	0	-	1	18282-10-5	77861
Titanium Dioxide	$TiO_2$	50	-	60	13463-67-7	77891
<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 (<math>g/cm^3</math>)</b>	3.2 - 3.6					
<b>8. Oil Absorption (g/100g)</b>	52 - 72					
<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.		