

PRODUCT SPECIFICATIONS



CQV Co., Ltd.

Product Name:	CQV PEARL PIGMENT
Trade Name:	Reflex™ Rutile Arcane Blue R-781F
Manufacturer:	CQV Co., Ltd. 144, Seongjung-Ro, Jincheon-Eup, Jincheon-Gun, Chungbuk-Do, Korea Tel. 82-43-531-2500, Fax. 82-43-536-0314
Date Prepared:	Rev. 1, February 18th, 2013

1. Appearance: Fine Silk White, Free-flowing Powder

2. Ingredients and Composition

Ingredients	Composition	By Weight (%)			CAS No.	EINECS
Synthetic Fluorophlogopite	$KMg_3AlSi_3O_{10}F_2$	25	-	36	12003-38-2	234-426-5
Tin Oxide	SnO_2	0	-	1	18282-10-5	242-159-0
Titanium Dioxide	TiO_2	64	-	74	13463-67-7	236-675-5

3. Particle Size (μm):	Mean Diameters	D10	-	D90	(By Malvern Mastersizer 2000S)
		2	-	13	

4. pH: 5.0 - 10.0 (10% Aqueous Suspension)

5. Loss on Drying: 0.5 % max.

6. Loss on Ignition: 0.5 % max.

7. Density (g/cm_3): 3.6 - 3.8

8. Oil Absorption ($g/100g$): 42 - 62

9. Acid Soluble Substances: 2.0 % max.

10. Trace Elements:	Mercury (Hg)	1 ppm max.	IEC 62321
	Lead (Pb)	10 ppm max.	
	Cadmium (Cd)	1 ppm max.	
	Hexavalent Chromium(Cr^{6+})	5 ppm max.	