

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

Product Name:	CQV PEARL PIGMENT					
Trade Name:	Automotive™ Rutile Fine White A-903D-SP					
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.3, March 1th, 2023					
1. Appearance:	Fine Silk White, Free-flowing Powder					
2. Ingredients and Composition						
Ingredients	Composition	By Weight (%)			CAS No.	EINECS
Synthetic Fluorophlogopite	$KMg_3AlSi_3O_{10}F_2$	55	-	68	12003-38-2	234-426-5
Tin Oxide	SnO_2	0	-	1	18282-10-5	242-159-0
Titanium Dioxide	TiO_2	32	-	42	13463-67-7	236-675-5
Silane	-	0	-	2	-	-
3. Particle Size (μm):	Mean Diameters	D10	-	D90	By Malvern Mastersizer 2000S	
		5	-	25		
4. pH:	3.0 - 6.0			10% Aqueous Suspension		
5. Loss on Drying:	0.5 % max.			ASTM D 280-01		
6. Bulk Density (g/100ml)	37 - 47			ASTM D 716-86		
7. Density (g/ml)	3.2 - 3.7			ASTM D 153-84		
8. Oil Absorption (g/100g)	62 - 82			ASTM D 1483-95		
9. Conductivity ($\mu S/cm$)	150 max.			10% Aqueous Suspension		
10. Trace Elements:	Mercury (Hg)		0.005 % max.		USEPA 3052	
	Arsenic (As)		0.005 % max.			
	Lead (Pb)		0.010 % max.			
	Cadmium (Cd)		0.010 % max.			
	Hexavalent Chromium (Cr^{6+})		0.001 % max.		USEPA 3060A	