

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

Product Name:	CQV PEARL PIGMENT
Trade Name:	Automotive™ Rutile Fine White A-903D
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.4, March 1th, 2023

1. Appearance:	Fine Silk White, Free-flowing Powder
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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:	6.0 - 8.0	10% Aqueous Suspension
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5. Loss on Drying:	0.5 % max.	ASTM D 280-01
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6. Bulk Density (g/100ml)	37 - 47	ASTM D 716-86
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7. Density (g/ml)	3.2 - 3.7	ASTM D 153-84
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8. Oil Absorption (g/100g)	60 - 80	ASTM D 1483-95
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9. Conductivity ($\mu S/cm$)	150 max.	10% Aqueous Suspension
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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