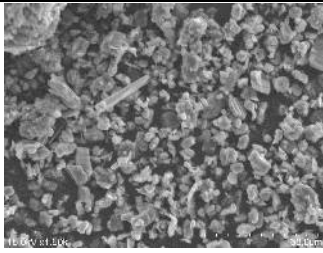
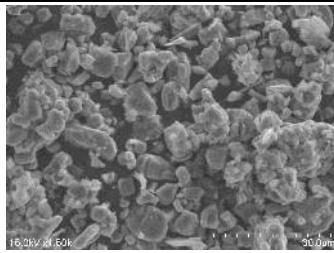


PMTitan F-1, PMTitan F-2

Grade		PMTitan F-1	PMTitan F-2	
Lot.		201701	201701	
Appearance		White powder	Brown-red powder	
Identifying [XRD]		Potassium Magnesium Titanium Oxide, $K_{0.8}Mg_{0.4}Ti_{1.6}O_4$	Potassium Magnesium Titanium Oxide, $K_{0.8}Mg_{0.4}Ti_{1.6}O_4$	
		FWHM [$2\theta=12.3$]	0.135	0.130
		Crystallite size(Å)	620	641
Laser particle size distribution (micron)		D10	2.21	5.39
		D50	4.74	12.1
		D90	8.55	29.2
Specific surface area[BET](m^2/g)		2.02	1.27	
Shape [SEM] $\times 1,500$				
- Reference - Element [EDX] (%)	O	40.4	36.4	
	Mg	4.14	3.74	
	K	14.6	15.5	
	Ti	40.4	39.4	
	Na	0.21	0.11	
	Al	0.05	0.97	
	Si	0.23	0.88	
	P	-	0.03	
	S	0.01	0.01	
	Br	0.02	-	
Mn	-	1.30		
Fe	-	1.71		