



KATSUYAMA FINETEC (THAILAND) CO., LTD.

We would like to report you about the conclusion of pretreatment line checking .The result is as below

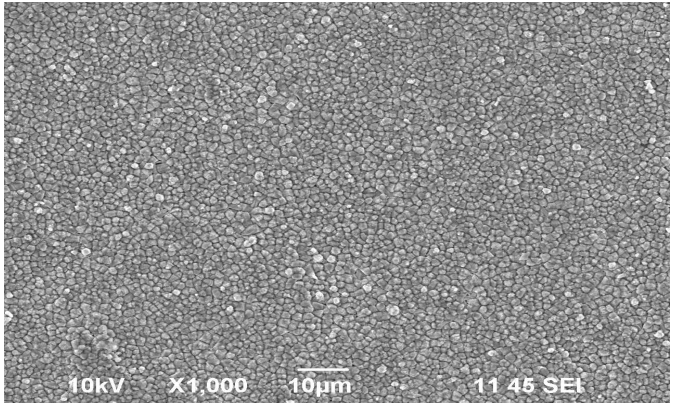
Sampling Date 5-3-2024
Report Making Date 11-3-2024

MARKETING DEPARTMENT		
Approved by	Approved by	Issued by
	K. Worachai	K.PICHAT
	11-3-2024	11-3-2024
D.WATANABE	K.WORACHAI	K.PICHAT

Condition

PROCESS	CHECK ITEM	CONTROLLED RANGE	RESULT	EVALUATION
Degreasing 1 (FC-ET5002)	F.AL. (pt.)	20.0-30.0	27.8	PASS
	Temperature (°C)	35.0-45.0	44.5	PASS
	Oil content (g/L)	<5.0	3.7	PASS
Degreasing 2 (FC-ET5002)	F.AL. (pt.)	20.0-30.0	27.4	PASS
	Temperature (°C)	35.0-45.0	45.0	PASS
	Oil content (g/L)	<5.0	3.6	PASS
Water Rinse #2	Contaminate (pt.)	<2.0	0.7	PASS
Water Rinse #3	Contaminate (pt.)	<1.0	0.1	PASS
Surface Condition (PL-XG)	T.C. (pt.)	1.0-4.0	2.8	PASS
	pH	9.5-11.0	9.9	PASS
Phosphate (PB-SX35RTK)	F.A. (pt.)	0.6-1.0	0.8	PASS
	T.A. (pt.)	20.0-28.0	23.5	PASS
	A.C. (pt.)	4.0-5.0	4.1	PASS
	Temperature (°C)	35.0-40.0	38.2	PASS
	Sludge Content (ppm)	<300.0	103.9	PASS
Water Rinse #5	Contaminate (pt.)	<2.0	1.0	PASS
Water Rinse #6	E.C. (μS/cm)	<30.0	9.4	PASS
Fresh DI water	E.C. (μS/cm)	<10.0	3.4	PASS

Quality of phosphate film.

MATERIAL	CHECK ITEM	CONTROLLED RANGE	RESULT	EVALUATION
SPCC (TP)	Appearance	Gray and Even coating	Gray and Even coating	PASS
	Coating Weight (g/m²)	1.5-3.0	2.0	PASS
	SEM x 1000			

Comment

1. All chemicals check are in specification control.