TAIYO AMERICA, INC.

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CERTIFICATE OF ANALYSIS and CONFORMANCE

This is to certify that the following product has been inspected prior to sale and shipment, and complies with Taiyo America's manufacturing specifications for this product.

PSR-9000 FLX05W2	Lot# 9111427	Mfg. Date: 11-14-19 Warranty Ends: 5-14	-20
PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	MANUFACTURING SPECIFICATION Before mixing: 280 - 340 ps After mixing: 200 - 240 ps	RESULT 316 ps 215 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	Before mixing: 1.00 - 1.40 After mixing: 1.00 - 1.40	1.20
FINENESS OF GRIND	TAI-0-0002	25 microns or less.	5 microns
VISUAL EXAMINATION	Microscopic examination:		*
	1. 1-mil drawdown of wet film	No bubbles, pits, voids, particles, color differences.	Passed
	2. Wet film drawdown on grind gauge	No bubbles, pits, voids, particles, color differences.	Passed
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed
TACK-DRY	Hot air convection oven 80°C / 30 minutes	Tack-free to the touch	Passed
IMAGING	ORC HMW 680GW - 7 kW 500 mJ / cm ² Horizontal Developer - 1% Na2CO3	Stouffer 21 step: Report Only (clear on copper)	10
	30°C (86°F) / 60 secs., 28 psi		
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 5 sec x 1 cycle Rosin-based flux	No discoloration, peeling, or blistering	Passed
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C/20 mins.	No swelling, softening, or blistering	Passed
PENCIL HARDNESS (*)	TAI-0-0020	H or greater	4 14
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed 🔽

(*) - Final cure for these tests was 60 minutes @ 150°C (302°F) in a convection oven.

Verified By:		upsavisor	11/15/19
Name,	Title,	Date	e

FRM-0-0239