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.

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PSR-9000 FLX05W	Lot# 1062317	Mfg. Date: 6-23-2 Warranty Ends: 12-2	3-21
PROPERTY VISCOSITY THIXOTROPIC INDEX FINENESS OF GRIND	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm TAI-0-0002	MANUFACTURING SPECIFICATION Before mixing: 330 - 410 ps After mixing: 200 - 240 ps Before mixing: 1.00 - 1.40 After mixing: 1.00 - 1.40 25 microns or less.	RESULT 354 ps 221 ps 1.19 1.18 5 microns
VICTIAL EN ABARNAMINA		20 011 1033.	2 mici ons
VISUAL EXAMINATION	Microscopic examination: 1. 1-mil drawdown of wet film	No bubbles, pits, voids, particles, color differences.	Passed [7
	2. Wet film drawdown on grind gauge	No bubbles, pits, voids, particles, color differences.	Passed [1]
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed 🗹
TACK-DRY	Hot air convection oven 80°C / 40 minutes	Tack-free to the touch	Passed 🔽
IMAGING	ORC HMW 680GW - 7 kW 600 mJ / cm ² Horizontal Developer - 1% Na2CO3	Stouffer 21 step: Report Only (clear on copper)	13
	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 [v]
PENCIL HARDNESS (*)	TAI-0-0020	H or greater	3H.
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 B		
#	A.C. SUPERVIS	500 6/25/21
Name,	Title,	Date

FRM-0-0255