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-4000 LDI EU

Lot# 9092067

Mfg. Date: 9-20-19 Warranty Ends: 3-20-20

PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	MANUFACTURING SPECIFICATION Before mixing: Report Only After mixing: 180 - 220 ps	2	LT ps ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: Report Only	1.4	* *
FINENESS OF GRIND	TAI-0-0002	5 microns maximum	5 1	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	V
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed	V
TACK-DRY	Hot air convection oven 80°C / 30 minutes	Tack-free to the touch	Passed	
IMAGING	ORC HMW 680GW - 7 kW 150 mJ / cm ² Horizontal Developer - 1% Na2CO3	Stouffer 21 step: 12 - 16 (clear on copper)	13	
	30°C (86°F) / 60 secs., 28 psi	*		
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 30 sec x 1 cycle Rosin-based flux	No discoloration, peeling, or blistering	Passed	☑ .
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C/30 mins.	No swelling, softening, or blistering	Passed	Q'
PENCIL HARDNESS (*)	TAI-0-0020	6H or greater	8 H	
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed	W

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

Verified By: A.C. SUPSRVISUR 9/25/19 Name Title Date									
H.	Q.C.	SUPER	1127V	9/25/19					
Name,		Title,	Da	ite					