TAIYO AMERICA, INC.

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CERTIFICATE OF 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 SG100HF	Lot# 9120417	Mfg. Date: 12-04-19 Warranty Ends: 6-04-	20	
PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	MANUFACTURING SPECIFICATION Before mixing: 420 - 520 ps After mixing: 160 - 200 ps	RESU 438 181	JLT ps ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.6	1.2	
FINENESS OF GRIND	TAI-0-0002	17.5 microns maximum	5	microns
VISUAL EXAMINATION	Microscopic examination:		4	
	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 200 mJ / cm ²	Report Only (clear on copper)	10	ē
	Horizontal Developer - 1% Na2CO3 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	V
SOLVENT	Immersion in PM Acetate	No swelling, softening,	Passed	TY.
RESISTANCE (*)	20°C / 20 mins.	or blistering	0 1 1	
PENCIL HARDNESS (*)	TAI-0-0020	7H or greater	9 H	*
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:			
At .	Q.C. SUPSI	2VISOR 12/6/19	
Name,	Title,	Date	

FRM-0-0166