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# 1031927	Mfg. Date: 3 -19-2 Warranty Ends: 9-19	1 -21	
PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	MANUFACTURING SPECIFICATION Before mixing: 420 - 520 ps After mixing: 160 - 200 ps	REST 428 186	ULT ps ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.6	1.3	
FINENESS OF GRIND	TAI-0-0002	17.5 microns maximum	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	ı 🖪
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed	l d
TACK-DRY	Hot air convection oven 80°C / 30 minutes	Tack-free to the touch	Passed	I 🗗
IMAGING	ORC HMW 680GW - 7 kW 200 mJ / cm ² Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi	Report Only (clear on copper)	10	
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 30 sec x 1 cycle Rosin-based flux	No discoloration, peeling,	Passed	l IF
SOLVENT	Immersion in PM Acetate	No swelling, softening,	Passed	I IV
RESISTANCE (*)	20°C / 20 mins.	or blistering	8 H	
PENCIL HARDNESS (*)	TAI-0-0020	7H or greater		
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed	l d

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

Verified By:

1. Q.C. Supervisor 3/23/21

Name, Title, Date

FRM-0-0166