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 HPG L	ot#011131.7	Mfg. Date: $11-13-2$ Warranty Ends: $5-13$	3-21	
PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	MANUFACTURING SPECIFICATION Before mixing: 205 - 255 ps After mixing: 135 - 165 ps	<u>RESU</u> 241 153	ULT ps ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.8	1.7	·
FINENESS OF GRIND	TAI-0-0002	5 microns maximum	5	microns
VISUAL EXAMINATION				
	1. 1-mil drawdown of wet film	No bubbles, pits, voids, particles, color differences.	Passed	è
	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	W
TACK-DRY	Hot air convection oven $80^{\circ}\text{C}/30$ minutes	Tack-free to the touch	Passed	V
IMAGING	ORC HMW 680GW - 7 kW 300 mJ / cm ² Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi	Report Only (clear on copper)	9	-
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 30 sec x 1 cycle Rosin-based flux	No discoloration, peeling, or blistering	Passed	V
SOLVENT RESISTANCE (*)	Immersion in PM Acetate $20^{\circ}\text{C}/20$ mins.	No swelling, softening, or blistering	Passed	V
PENCIL HARDNESS (*)	TAI-0-0020	5H 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:		11/12/20	
AV.	q.C. JUPERV	150h 11/13/20	
Name,	Title,	Date	

FRM-0-0147