## TAIYO AMERICA, INC.

2675 Antler Drive, Carson City, NV 89701 Phone: (775) 885-9959 Fax: (775) 885-9972

## **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 Lo	ot# [111637	Mfg. Date: ししーしらー の Warranty Ends: ラーし	21 5-22
PROPERTY VISCOSITY	TEST METHOD  Toki Sangyo RE100U Viscometer  5 rpms @ 25°C	MANUFACTURING SPECIFICATION  Before mixing: 205 - 255 ps  After mixing: 135 - 165 ps	RESULT 239 ps 150 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	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
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed U
TACK-DRY	Hot air convection oven 80°C / 30 minutes	Tack-free to the touch	Passed 🗹
IMAGING	ORC HMW 680GW - 7 kW 300 mJ / cm <sup>2</sup> 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, or blistering	Passed [2
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 20 mins.	No swelling, softening, or blistering	Passed []
PENCIL HARDNESS (*)	TAI-0-0020	5H or greater	ou ·
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed [2]

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

Verified By:	Ý- C.	Supervisor	11/19/21
Name,	Ti	itle, D	ate

FRM-0-0147

1/28/09