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 **Lot #** 9080817 **Mfg. Date:** 8-08-19 **Warranty Ends:** 2-08-20

PROPERTY	TEST METHOD	MANUFACTURING SPECIFICATION	RESULT
VISCOSITY	Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	Before mixing: 205 - 255 ps After mixing: 135 - 165 ps	219 ps 151 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.8	1.6
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 ☑
	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 300 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, or blistering	Passed ☑
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 20 mins.	No swelling, softening, or blistering	Passed ☑
PENCIL HARDNESS (*)	TAI-0-0020	5H or greater	8H
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:

[signature] Q.C. Supervisor 8/13/19

Name, Title, Date