## TAIYO AMERICA, INC.

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

## **CERTIFICATE OF ANALYSIS and 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 H855	Lot# 0123037	Mgf. Date: 12-30-2 Warranty Ends: 6-30-	0 21	
PROPERTY VISCOSITY	TEST METHOD  Toki Sangyo RE100U Viscometer 5 rpms @ 25 °C	MANUFACTURING  SPECIFICATION  Before mixing: 160 – 200 ps  After mixing: 105 - 135 ps	RESUL   6 6   28	ps ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	Before mixing: 1.0 - 1.4 After mixing: 1.0 - 1.4	1.2	
FINENESS OF GRIND	TAI-0-0002	15 microns maximum	5 m	icrons
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	V
SCREENABILITY	Visual inspection of screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed	W
TACK-DRY	Hot air convection oven 90°C / 35 minutes	Tack-free to the touch	Passed	V
IMAGING	ORC HMW 680GW - 7 kW 150 mJ / cm <sup>2</sup> (Under Artwork) Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi	Stouffer 21 step: 8 - 10 (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	U
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 20 mins.	No swelling, softening, or blistering	Passed 714	U
PENCIL HARDNESS (*)	TAI-0-0020	6H or greater	(11	*
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed	U

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

Verified B	y:				
-14	q.c.	JUPER	V150R	1/4/21	
Name,	1	Title,		Date	