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.

This product meets all the requirements of IPC-SM-840E Classes H and T and Bellcore (Telecordia) GR-78-CORE and is UL recognized 94V-0 (File #E166421, UL Name: PSR-4000BV).

PSR-4000 (AUS5)	Lot# 9102527	Mfg. Date: 10 -25 - 1 Warranty Ends: 5 - 25	9 - 2-0
PROPERTY VISCOSITY	TEST METHOD Toki Sangyo RE100U Viscometer 5 rpms @ 25°C		RESULT 329 ps 226 ps
THIXOTROPIC IND	, ,		1. 2
FINENESS OF GRIN	TAI-0-0002	15 microns maximum	5 microns
VISUAL EXAMINAT	TION Microscopic examination:		*
e ⁻²	1. 1-mil drawdown of wet film	No bubbles, pits, voids, particles, color differences.	Passed 2
	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 500 mJ / cm ²	Stouffer 21 step: 9 - 12 (clear on copper)	10
	Horizontal Developer - 1% Na2C 30°C (86°F) / 60 secs., 28 psi	203	
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 10 sec x 3 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed 🗹
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed 🗹
PENCIL HARDNESS		5H or greater	9 H
ADHESION (*)	VARRANTY EXTENSION	100/100 on copper	Passed
(*) - Final cure	This product has been etested by the Taiyo had a	0°C (302°F) in a convection over	**************************************
	warranty extension.	De DC SUPERV	150R 10/30/19
V	Varranty period ends: 06/25/20	Name, Title,	Date
	00/20/20		

10/14/11

FRM-0-0019

Authorized By:

Luis Marquez

QC Supervisor