## 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-4000JA).

Mfg. Date: 2-23-21

Tack-free to the touch

Stouffer 21 step: 12 - 16

(clear on copper)

Warranty Ends: 8-23-21

MANUFACTURING PROPERTY VISCOSITY TEST METHOD **SPECIFICATION** RESULT Toki Sangyo RE100U Viscometer Before mixing: Report Only 5 rpms @ 25°C After mixing: 220 - 270 ps THIXOTROPIC INDEX Toki Sangyo RE100U Viscometer 1.4 Viscosity ratio: 5 rpm / 50 rpm After mixing: Report Only FINENESS OF GRIND 5 TAI-0-0002 5 microns maximum microns VISUAL EXAMINATION Microscopic examination: 1. 1-mil drawdown of wet film **Passed** No bubbles, pits, voids, particles, color differences. 2. Wet film drawdown on **Passed** No bubbles, pits, voids, grind gauge particles, color differences. **SCREENABILITY** Visual inspection of screen Passed No surface defects. printed panel such as bubbles, pinholes, etc. **TACK-DRY** 

Lot# 1022317

RESISTANCE TO 260°C (500°F) / 30 sec x 1 cycle Passed No discoloration, peeling, **SOLDERING** (\*) Rosin-based flux or blistering SOLVENT Immersion in PM Acetate No swelling, softening, Passed

**RESISTANCE** (\*) 20°C / 20 mins. or blistering PENCIL HARDNESS (\*) TAI-0-0020 6H or greater

**ADHESION (\*)** TAI-0-0021 Passed D 100/100 on copper

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

Hot air convection oven

ORC HMW 680GW - 7 kW

Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi

80°C/30 minutes

100 mJ / cm<sup>2</sup>

ame. Title. Date

**IMAGING** 

PSR-4000 LDI (US) Red

W

Passed

14