TAIYO AMERICA, INC.

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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 the requirements of IPC-SM-840E with the exception of flammability.

Lot# 9101817 Mfg. Date: 10-18-19 PSR-9000 AO2 AMBER Warranty Ends: 4-18-20 MANUFACTURING RESULT **PROPERTY TEST METHOD SPECIFICATION** VISCOSIT Toki Sangyo RE100U Viscometer Before mixing: 180 - 220 ps 5 rpms @ 25°C After mixing: 140 - 200 ps ps THIXOTROPIC INDEX Toki Sangyo RE100U Viscometer 1.2 Viscosity ratio: 5 rpm / 50 rpm After mixing: 1.1 - 1.5 5 FINENESS OF GRIND TAI-0-0002 microns 15 microns maximum VISUAL EXAMINATION Microscopic examination: **Passed** 1. 1-mil drawdown of wet film No bubbles, pits, voids, U particles, color differences. 2. Wet film drawdown on Passed. No bubbles, pits, voids, grind gauge particles, color differences. **SCREENABILITY** Passed Visual inspection of screen No surface defects, printed panel such as bubbles, pinholes, etc. **TACK-DRY** Passed W Hot air convection oven Tack-free to the touch 80°C/30 minutes 0 **IMAGING** ORC HMW 680GW - 7 kW Stouffer 21 step: 8 - 12 500 mJ / cm² (clear on copper) Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi RESISTANCE TO 260°C (500°F) / 10 sec x 1 cycle Passed No discoloration, peeling, **SOLDERING** (*) Rosin-based flux or blistering SOLVENT Immersion in PM Acetate No swelling, softening, **Passed** W **RESISTANCE** (*) 20°C / 20 mins. or blistering Passed 🖾 FLEXIBILITY (*) TAI-0-0025 No cracking 6 H PENCIL HARDNESS (*) TAI-0-0020 5H or greater ADHESION (*) **Passed** TAI-0-0021 100/100 on copper W

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

Verified By	y:		
A.		SUPERVISOR	10/21/19
Name,	Title,		Date

FRM-0-0093