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

PSR-9000 AO2 AMBER Lot# 1062517 Mfg. Date: 6 - 25 - 21Warranty Ends: 3 - 25-22 **MANUFACTURING PROPERTY TEST METHOD SPECIFICATION** RESULT Toki Sangyo RE100U Viscometer 202 Before mixing: 180 - 220 ps DS 5 rpms @ 25°C 172 ps After mixing: 140 - 200 ps THIXOTROPIC INDEX Toki Sangyo RE100U Viscometer 1.3 Viscosity ratio: 5 rpm / 50 rpm After mixing: 1.1 - 1.5 FINENESS OF GRIND 5 microns TAI-0-0002 15 microns maximum VISUAL EXAMINATION Microscopic examination: **Passed** 1. 1-mil drawdown of wet film W No bubbles, pits, voids, particles, color differences. 2. Wet film drawdown on **Passed** No bubbles, pits, voids, ГV grind gauge particles, color differences. **SCREENABILITY** ज Passed Visual inspection of screen No surface defects, printed panel such as bubbles, pinholes, etc. TACK-DRY **Passed** TV Hot air convection oven Tack-free to the touch 80°C / 30 minutes 10 **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 N No discoloration, peeling, **SOLDERING** (*) Rosin-based flux or blistering **SOLVENT** Immersion in PM Acetate No swelling, softening, Passed ΓV **RESISTANCE (*)** 20°C / 20 mins. or blistering FLEXIBILITY (*) Passed 🖳 TAI-0-0025 No cracking 74 PENCIL HARDNESS (*) TAI-0-0020 5H or greater **ADHESION (*) Passed** TAI-0-0021 100/100 on copper

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

Verified By:

##. O.C. Supervisor 7/1/21

Name, Title, Date

FRM-0-0093