

TAIYO AMERICA, INC.  
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**CERTIFICATE OF 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 SG100HF

Lot # 0010817

Mfg. Date: 1-08-20

Warranty Ends: 7-08-20

PROPERTY  
VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer  
 5 rpms @ 25°C

MANUFACTURING  
SPECIFICATION

Before mixing: 420 - 520 ps  
 After mixing: 160 - 200 ps

RESULT

430 ps  
183 ps

THIXOTROPIC INDEX

Toki Sangyo RE100U Viscometer  
 Viscosity ratio: 5 rpm / 50 rpm

After mixing: 1.2 - 1.6

1.2

FINENESS OF GRIND

TAI-0-0002

17.5 microns maximum

5 microns

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

SCREENABILITY

Visual inspection of screen  
 printed panel

No surface defects,  
 such as bubbles, pinholes, etc.

Passed

TACK-DRY

Hot air convection oven  
 80°C / 30 minutes

Tack-free to the touch

Passed

IMAGING

ORC HMW 680GW - 7 kW  
 200 mJ / cm<sup>2</sup>

Report Only  
 (clear on copper)

9

Horizontal Developer - 1% Na<sub>2</sub>CO<sub>3</sub>  
 30°C (86°F) / 60 secs., 28 psi

RESISTANCE TO  
SOLDERING (\*)

260°C (500°F) / 30 sec x 1 cycle  
 Rosin-based flux

No discoloration, peeling,  
 or blistering

Passed

SOLVENT

RESISTANCE (\*)

Immersion in PM Acetate  
 20°C / 20 mins.

No swelling, softening,  
 or blistering

Passed

PENCIL HARDNESS (\*)

TAI-0-0020

7H or greater

9H

ADHESION (\*)

TAI-0-0021

100/100 on copper

Passed

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

Verified By:

[Signature] Q.C. SUPERVISOR 1/9/20  
 Name, Title, Date