

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 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: S-222NA).

S-222NA (402-LV)

Lot # 9121987

Mfg. Date: 12-19-19

Warranty Ends: 6-19-20

PROPERTY
VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer
5 rpms @ 25°C

Brookfield DV-II Viscometer
10 rpms @ RT, spindle #6, 5 mins.

MANUFACTURING SPECIFICATION

Before mixing: Report Only
After mixing: Report Only

RESULT

14,300 cps
20,800 cps

After mixing: 47,000 - 57,000 cps

53,100 cps

THIXOTROPIC INDEX

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

After mixing: Report Only

2.0

FINENESS OF GRIND

TAI-0-0002

15 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 coated panel

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

Passed

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 (*)

TAI-0-0020

6H or greater

8H

ADHESION (*)

TAI-0-0021

100/100 on copper

Passed

(*) - Final cure for these tests was 20 minutes @ 140°C (284°F) in a convection oven

Verified By:

[Signature] P.C. Supervisor 1/20/20
 Name, Title, Date