

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.

UVR-150 TU Red

Lot # 1032237

Mfg. Date: 3-22-21

Warranty Ends: 3-22-22

PROPERTY
VISCOSITY

TEST METHOD

Toki Sangyo RE100U Viscometer
 5 rpms @ 25°C

MANUFACTURING
SPECIFICATION

RESULT

120 - 140 ps

127 ps

THIXOTROPIC INDEX

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

1.3 - 1.9

1.9

FINENESS OF GRIND

TAI-0-0002

17.5 microns maximum

15 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

4H or greater

6H

ADHESION (*)

TAI-0-0021

100/100 on copper

Passed

(*) - UV cure for these test was 1.0 joules/cm² as measured by a ORC UV-350 radiometer using three high pressure mercury vapor lamps @ 80 w/cm.

Verified By:

[Signature] Q.C. SUPERVISOR 3/24/21
 Name, Title, Date