

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.

UVR-150 TU Green                  Lot # 1012587                  Mfg. Date: 1-25-21  
Warranty Ends: 1-25-22

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>MANUFACTURING SPECIFICATION</u>	<u>RESULT</u>
<b>VISCOSITY</b>	Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	120 – 140 ps	<u>133 ps</u>
<b>THIXOTROPIC INDEX</b>	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	1.3 – 1.9	<u>1.8</u>
<b>FINENESS OF GRIND</b>	TAI-0-0002	17.5 microns maximum	<u>12.5 microns</u>
<b>VISUAL EXAMINATION</b>	Microscopic examination:		
	1. 1-mil drawdown of wet film	No bubbles, pits, voids, particles, color differences.	Passed <input checked="" type="checkbox"/>
	2. Wet film drawdown on grind gauge	No bubbles, pits, voids, particles, color differences.	Passed <input checked="" type="checkbox"/>
<b>SCREENABILITY</b>	Visual inspection of coated panel	No surface defects, such as bubbles, pinholes, etc.	Passed <input checked="" type="checkbox"/>
<b>RESISTANCE TO SOLDERING (*)</b>	260°C (500°F) / 10 sec x 3 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed <input checked="" type="checkbox"/>
<b>SOLVENT RESISTANCE (*)</b>	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed <input checked="" type="checkbox"/>
<b>PENCIL HARDNESS (*)</b>	TAI-0-0020	4H or greater	<u>7H</u>
<b>ADHESION (*)</b>	TAI-0-0021	100/100 on copper	Passed <input checked="" type="checkbox"/>

(\*) – UV cure for these test was 1.0 joules/cm<sup>2</sup> as measured by a ORC UV-350 radiometer using three high pressure mercury vapor lamps @ 80 w/cm.

Verified By: [Signature]  
A. C. SUPERVISOR                  3/16/21  
Name,                  Title,                  Date