

**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 the manufacturing specifications for this product.  
 This product meets all the requirements of Bellcore GR-78-CORE Issue 1, September 1997 for Legend and Marking Inks.

UVR-182E (USA)

Lot # 008/227

Mfg. Date: 8-12-20  
 Warranty Ends: 5-12-21

<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	180 - 210 ps	187 ps
<b>THIXOTROPIC INDEX</b>	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	Report Only	1.0
<b>FINENESS OF GRIND microns</b>	TAI-0-0002	17.5 microns maximum	5
<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>PENCIL HARDNESS (*)</b>	TAI-0-0020	3H or greater	5H
<b>ADHESION (*)</b>	TAI-0-0021	100/100 on copper	Passed <input checked="" type="checkbox"/>

(\*) - UV cure for these tests 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.

**WARRANTY EXTENSION**  
 This product has been retested by the Taiyo America Quality Control department and has been granted a warranty extension.

Warranty period ends:  
07/12/21

Authorized By:  
 Luis Marquez  
 QC Supervisor

Verified By:

[Signature] Q.C. SUPERVISOR 9/4/20  
 Name, Title, Date