TAIYO AMERICA, INC.
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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-110W (USA) **Lot #** 1072127 Mfg. Date: 7-21-21
Warranty Ends: 4-21-22

PROPERTY	TEST METHOD	MANUFACTURING SPECIFICATION	RESULT
VISCOSITY	Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	110 - 130 ps	126 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	1.5 - 2.5	1.8
FINENESS OF GRIND	TAI-0-0002	17.5 microns maximum	10 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 ☑
PENCIL HARDNESS (*)	TAI-0-0020	3H or greater	4H
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed ☑

(*) - UV cure for these tests was 1.0 joules/cm^2 as measured by a ORC UV-350 radiometer using three high pressure mercury vapor lamps @ 80 W/cm.

Verified By:
Q.C. SUPERVISOR 7/28/21
Name, Title, Date