

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 the manufacturing specifications for this product.

TER-20 K27 Lot # **1101557** Mfg. Date: **10-15-21**
Warranty Ends: **4-15-22**

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>MANUFACTURING SPECIFICATION</u>	<u>RESULT</u>
VISCOSITY	Toki Sangyo RE100U Viscometer 5 rpm @ 25°C	135 - 165 ps	139 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	1.10 - 1.50	1.45
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 <input checked="" type="checkbox"/>
	2. Wet film drawdown on grind gauge	No bubbles, pits, voids, particles, color differences.	Passed <input checked="" type="checkbox"/>
SCREENABILITY	Visual inspection of screen Printed panel	No surface defects,	Passed <input checked="" type="checkbox"/>
TACK-DRY	Hot air convection oven 90°C / 30 minutes	Tack-free to the touch	Passed <input checked="" type="checkbox"/>
IMAGING	ORC HMW 680GW 7kW 100 mJ/cm ² Horizontal Developer - 1% Na ₂ CO ₃ 30°C (86°F) / 60 secs., 20 psi	Stouffer step: Report Only (clear on copper)	3
PENCIL HARDNESS	TAI-0-0020	H Minimum	2H
ADHESION	TAI-0-0021	100/100 on copper	Passed <input checked="" type="checkbox"/>
STRIPPABILITY	TAI-0-0028	No ink residue	Passed <input checked="" type="checkbox"/>

Verified By:

 P.C. SUPERVISOR 10/22/21
Name, Title, Date