

**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 # 9050137      Mfg. Date: 5-01-19  
 Warranty Ends: 11-01-19

<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	135 - 165 ps	138 ps
<b>THIXOTROPIC INDEX</b>	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	1.10 - 1.50	1.45
<b>FINENESS OF GRIND</b>	TAI-0-0002	15 microns maximum	5 microns
<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 screen Printed panel	No surface defects,	Passed <input checked="" type="checkbox"/>
<b>TACK-DRY</b>	Hot air convection oven 90°C / 30 minutes	Tack-free to the touch	Passed <input checked="" type="checkbox"/>
<b>IMAGING</b>	ORC HMW 680GW 7kW 100 mJ/cm <sup>2</sup>  Horizontal Developer - 1% Na <sub>2</sub> CO <sub>3</sub> 30°C (86°F) / 60 secs., 20 psi	Stouffer step: Report Only (clear on copper)	H
<b>PENCIL HARDNESS</b>	TAI-0-0020	H Minimum	H
<b>ADHESION</b>	TAI-0-0021	100/100 on copper	Passed <input checked="" type="checkbox"/>
<b>STRIPPABILITY</b>	TAI-0-0028	No ink residue	Passed <input checked="" type="checkbox"/>

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

Warranty period ends:  
01/01/20

Verified By:

[Signature]      Q.C. SUPERVISOR      5/3/19  
 Name,                      Title,                      Date