

**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 #** 912123.7

**Mfg. Date:** 12-12-19  
**Warranty Ends:** 6-12-20

| <u>PROPERTY</u>    | <u>TEST METHOD</u>  | <u>MANUFACTURING SPECIFICATION</u>                     | <u>RESULT</u>                              |
|--------------------|---|--|--|
| VISCOSITY          | Toki Sangyo RE100U Viscometer<br>5 rpms @ 25°C  | 135 - 165 ps   | 150 ps                                     |
| THIXOTROPIC INDEX  | Toki Sangyo RE100U Viscometer<br>Viscosity ratio: 5 rpm / 50 rpm                            | 1.10 - 1.50  | 1.47                                       |
| 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<br>Printed panel  | No surface defects,                                    | Passed <input checked="" type="checkbox"/> |
| TACK-DRY           | Hot air convection oven<br>90°C / 30 minutes  | Tack-free to the touch                                 | Passed <input checked="" type="checkbox"/> |
| IMAGING            | ORC HMW 680GW 7kW<br>100 mJ/cm <sup>2</sup>   | Stouffer step: Report Only<br>(clear on copper)        | H  |
|                    | Horizontal Developer - 1% Na <sub>2</sub> CO <sub>3</sub><br>30°C (86°F) / 60 secs., 20 psi |  |  |
| PENCIL HARDNESS    | TAI-0-0020  | H Minimum  | H  |
| 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:

  
 Name, Title, Date  
 D.C. SUPERVISOR 12/13/19