

TAIYO AMERICA, INC.  
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## CERTIFICATE OF 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 the performance requirements of A-A-56032D, Type II, as it applies to printed circuit board applications and the requirements of Bellcore GR-78-CORE Issue 1, September 1997 for legend and Marking Inks.

S-200E (LV)	Lot # 9042237	Mfg. Date: 4-22-19	Warranty Ends: 10-22-19	
<b>MANUFACTURING SPECIFICATION</b>				
<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>Before mixing: Report Only</b>	<b>RESULT</b>	
<b>VISCOSITY</b>	Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	After mixing: 210 - 250	113 ps 220 ps	
<b>THIXOTROPIC INDEX</b>	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	Before mixing: Report Only After mixing: Report Only	1.5 2.2	
<b>FINENESS OF GRIND</b>	TAI-0-0002	17.5 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 coated panel	No surface defects, such as bubbles, pinholes, etc.	Passed	<input checked="" type="checkbox"/>
<b>RESISTANCE TO SOLDERING (*)</b>	260°C (500°F) / 10 sec x 2 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed	<input checked="" type="checkbox"/>
<b>SOLVENT RESISTANCE (*)</b>	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed	<input checked="" type="checkbox"/>
<b>PENCIL HARDNESS (*)</b>	TAI-0-0020	6H or greater	8H	
<b>ADHESION (*)</b>	TAI-0-0021	100/100 on copper	Passed	<input checked="" type="checkbox"/>

(\*) - Final cure for these tests was 20 minutes @ 140°C (284°F) in a convection oven

Verified By:

 Q.C. SUPERVISOR 4/24/19  
 Name, Title, Date