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.

1-44 9101517 NG DAG 10-15-19

S-200E (LV) Lot # 9101517		Mfg. Date: 10-15-17 Warranty Ends: 4-15-20	
PROPERTY	TEST METHOD	MANUFACTURING SPECIFICATION	<u>RESULT</u>
VISCOSITY	Toki Sangyo RE100U Viscometer	Before mixing: Report Only	105 ps
	5 rpms @ 25°C	After mixing: 210 - 250	226 ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	Before mixing: Report Only After mixing: Report Only	1.5 2.5
FINENESS OF GRIND	TAI-0-0002	17.5 microns maximum	5 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
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 10 sec x 2 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed
PENCIL HARDNESS (*)	TAI-0-0020	6H or greater	914
ADHESION (*)	TAI-0-0021	100/100 on copper	Passed

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

Verified By:

O.C. SUPSEVISOR 10/16/19

Title, Date

FRM-0-0075