

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.

S-200Y NP (USA) Lot # 0050737 Mfg. Date: 5-07-20
 Warranty Ends: 11-07-20

PROPERTY	TEST METHOD	MANUFACTURING SPECIFICATION	RESULT
VISCOSITY	Toki Sangyo RE100U Viscometer 5 rpms @ 25°C	Before mixing: 290 - 350 ps After mixing: <i>Report Only</i>	<u>297</u> ps <u>515</u> ps
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	Before mixing: 1.4 - 2.2 After mixing: <i>Report Only</i>	<u>1.9</u> <u>2.6</u>
FINENESS OF GRIND	TAI-0-0002	17.5 microns maximum	<u>5</u> 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 coated panel	No surface defects, such as bubbles, pinholes, etc.	Passed <input checked="" type="checkbox"/>
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 10 sec x 2 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed <input checked="" type="checkbox"/>
SOLVENT RESISTANCE (*)	Immersion in PM Acetate 20°C / 30 mins.	No swelling, softening, or blistering	Passed <input checked="" type="checkbox"/>
PENCIL HARDNESS (*)	TAI-0-0020	7H or greater	<u>8H</u>
ADHESION (*)	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: [Signature]
 Name, Title, Date
D.C. SUPERVISOR 5/15/20