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 Taiyo America's manufacturing specifications for this product. This product meets the requirements of IPC-4781 and the performance requirements of A-A-56032D, Type II, as it applies to printed circuit boards applications.

PSR-4100 WL (HD) 70/30

Lot # | 120247 Mfg. Date: 12-02-21

MANITICACTUDING

Warranty Ends: 9-02-22

		MANUFACTURING		
PROPERTY	TEST METHOD	SPECIFICATION	<u>RESUI</u>	T
VISCOSITY	Toki Sangyo RE100U Viscometer	Before mixing: Report Only	360 p	S
	5 rpms @ 25°C	After mixing: 120 - 160 ps	151 P	S
THIXOTROPIC INDEX	Toki Sangyo RE100U Viscometer Viscosity ratio: 5 rpm / 50 rpm	After mixing: 1.2 - 1.6	1.4	
FINENESS OF GRIND	TA1-0-0002	15 microns maximum	5 m	icrons
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 screen printed panel	No surface defects, such as bubbles, pinholes, etc.	Passed	J
TACK-DRY	Hot air convection oven 80°C / 30 minutes	Tack-free to the touch	Passed	Ø
IMAGING	ORC HMW 680GW - 7 kW 500 mJ / cm ²	Stouffer 21 step: 8 - 10 (clear on copper)	8	
	Horizontal Developer - 1% Na2CO3 30°C (86°F) / 60 secs., 28 psi			
RESISTANCE TO SOLDERING (*)	260°C (500°F) / 10 sec x 3 cycles Rosin-based flux	No discoloration, peeling, or blistering	Passed	回
SOLVENT	Immersion in PM Acetate	No swelling, softening,	Passed	चि [°]
RESISTANCE (*)	20°C/30 mins.	or blistering	ı asscu	Ŋ
PENCIL HARDNESS (*)	TAI-0-8020	7H or greater	84	
ADHESION (*)	TA1-0-0021	100/100 on copper	Passed	回

(*) - Final cure for these tests was 60 minutes @ 150°C (302°F) in a convection oven

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