

INV. No. 694822.A

INSPECTION CERTIFICATE

TAIYO INK MFG. CO., LTD.

900 HIRASAWA, RANZAN-MACHI HIKIGUN

SAITAMA 355-0215 JAPAN

Inspection Sec.

TEL +81-493-61-2711

PSR-4000 LEW3

Lot No. 1031915

General Judgment

PASS

Mar. 22. 2021

Items	Test method	Specifications	Result
Appearance	Compare to the previous lot	No difference in hue hardness, flowability. No foreign matters	PASS
Viscosity	Cone Plate type Viscometer (Just after production)	260+/-40dPa·s (Ps) (At 5min ~ · 25°C) (Main agent)	291dPa·s
Tack Free	Coating thickness: 20 μm 80°C / 30min. (At hot air box oven)	Ink never transfer to nega film	PASS
Photo sensitivity	On FR-4 base material Step Tablet: KODAK No. 2	Under mylar film, 6 MIN at 600mJ/cm <sup>2</sup>	No. 8
Developability	Pre-baked at 80°C / 50min. 1wt%, Na <sub>2</sub> CO <sub>3</sub> , 30°C, 90sec 0.196MPa (2kg/cm <sup>2</sup> )	No ink residue after develop No blistering and/or No peeling	PASS

Remarks: Curing condition  
Exposure: 600mJ/cm<sup>2</sup> (Metal halide lamps)  
150°C/60min. (Hot air convection oven)

Pencil hardness	TAIYO Internal Test Method (GIP-010AA)	5H or above (On copper)	5H
Adhesion	TAIYO Internal Test Method (GIP-008AA)	100/100	100/100
Solder Resistance	TAIYO Internal Test Method (GIP-009AA) Rosin based flux: 260+/-5°C 30sec. × 1cycle	No blistering and/or No peeling	PASS
Solvent Resistance	Immersed in PGM-Ac 20°C/20min.	No blistering and/or No peeling	PASS

RoHS Compliance

Approved by:

*S. Kobayashi*

S. Kobayashi, Inspection.