

## INSPECTION CERTIFICATE

 **TAIYO INK MFG. CO., LTD.**

900 HIRASAWA, RANZAN-MACHI HIKIGUN

SAITAMA 355-0215 JAPAN

Inspection Sec.

TEL +81-493-61-2711

PSR-9000 FLX505WB

Lot No.

0110515

General Judgment

**PASS**

Nov. 11. 2020

Items	Test method	Specifications	Result
Appearance	Compare to the previous lot	No difference in hue hardness, flowability.	PASS
Viscosity	Cone Plate type Viscometer (Just after production)	320+/-30dPa·s (Ps) (At 5min, 25°C) (Main agent)	340dPa·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, 7 MIN at 500mJ/cm <sup>2</sup>	No. 9
Developability	Pre-baked at 80°C / 50min. 1wt%, Na <sub>2</sub> CO <sub>3</sub> , 30°C, 60sec 0.196MPa (2kg/cm <sup>2</sup> )	No ink residue after develop No blistering and/or No peeling	PASS

Remarks: Curing condition  
Exposure: 500mJ/cm<sup>2</sup> (Metal halide lamps)  
150°C/60min. (Hot air convection oven)

Pencil hardness	TAIYO Internal Test Method (GIP-010AA)	H or above (On copper)	H
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 5sec. × 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: