

INV. No. 696420-0

INSPECTION CERTIFICATE

TAIYO INK MFG. CO., LTD.

900 HIRASAWA, RANZAN-MACHI HIKIGUN

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Inspection Sec.

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PSR-4000 AUS320

Lot No. 1061815

General Judgment

PASS

Jun. 21. 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) | 210+/-40dPa·s (Ps) (At 5min ~ 25°C)(Main agent) | 190dPa·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 ² | No. 7 |
| Developability | Pre-baked at 80°C / 50min. 1wt%, Na2CO3, 30°C, 60sec 0.196MPa (2kg/cm ²) | No ink residue after develop No blistering and/or No peeling | PASS |

Remarks: Curing condition
Exposure:600mJ/cm²(Metal halide lamps)
150°C/60min. (Hot air convection oven) Post UV 1000mJ/ c m²

| | | | |
|--------------------|--|------------------------------------|---------|
| Pencil hardness | TAIYO Internal Test Method (GIP-010AA) | 6H or above(On copper) | 6H |
| 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 10sec. × 3cycle | No blistering and/or No peeling | PASS |
| Solvent Resistance | Immersed in PGM-Ac 20°C/30min. | No blistering and/or No peeling | PASS |

RoHS Compliance

Approved by:

S. Kobayashi

S. Kobayashi, Inspection.