

## INSPECTION CERTIFICATE

 TAIYO INK MFG. CO., LTD.

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Inspection Sec.

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PSR-800 AUS SR1 495E23

Lot No. 1011012

General Judgment

PASS

Jan. 14. 2021

| Items             | Test method                                                                                                          | Specifications                                                                                      | Result  |
|-------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------|
| Appearance        | Visual inspection (□100mm)                                                                                           | No uneven coating, stripe, roll-up wrinkle.                                                         | PASS    |
| Resist thickness  | Stylus profile measuring system<br>(Just after the Film production)                                                  | 23.0+/-2.0 μm                                                                                       | 23.1 μm |
| Film width        | JIS 1(st) class grade<br>(Just after the Slit)                                                                       | 495.0+/-1.0mm                                                                                       | 495.7mm |
| Photo sensitivity | On FR-4 base material Step<br>Tablet:Stouffer 41 step                                                                | On the cover-film,<br>5 MIN at 500mJ/cm <sup>2</sup><br>(Contact Exposure)                          | No. 8   |
| Developability    | (80°C / 30min)after Lamination<br>1wt% Na <sub>2</sub> CO <sub>3</sub> 30°C<br>0.196MPa (2kg/cm <sup>2</sup> ) 90sec | No ink residue remains on copper<br>No blistering and/or peeling of solder resist after development | PASS    |

Remarks: Curing condition  
Exposure:500mJ/cm<sup>2</sup>  
(High-pressure mercury short arc lamp)  
UV Cure:1000mJ/cm<sup>2</sup>  
PostCure:160°C/60min.  
(Hot air convection oven)

|                    |                                                                                          |                                    |         |
|--------------------|------------------------------------------------------------------------------------------|------------------------------------|---------|
| Pencil hardness    | TAIYO Internal Test Method (GIP-010AB)                                                   | 5H or above(On copper)             | 9 H     |
| Adhesion           | TAIYO Internal Test Method (GIP-008AA)                                                   | 100/100                            | 100/100 |
| Solder Resistance  | TAIYO Internal Test Method (GIP-009AA)<br>Rosin based flux: 260+/-5°C<br>10sec. × 3cycle | No blistering and/or<br>No peeling | PASS    |
| Solvent Resistance | Immersed in PGM-Ac<br>20°C/30min.                                                        | No blistering and/or<br>No peeling | PASS    |

RoHS Compliance

Approved by:

