

Test Report

No. : CE/2019/93734

Date : 2019/09/26

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TAIYO INK MFG. CO., LTD.

900, HIRASAWA, RANZAN-MACHI, HIKI-GUN, SAITAMA 355-0215 JAPAN

The following samples was/were submitted and identified by/on behalf of the applicant as :

Sample Submitted By : TAIYO INK MFG. CO., LTD.
Sample Description : PSR-4000 AUS21/CA-40 AUS21 (UL:PSR-4000FR/CA-40FR)
Color : GREEN
Style/Item No. : INK
Sample Receiving Date : 2019/09/20
Testing Period : 2019/09/20 to 2019/09/26

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Test Result(s) : Please refer to following pages.


Troy Chang / Manager - Technical
Signed for and behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



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Test Result(s)

PART NAME No.1 : GREEN INK

| Test Item(s) | Unit | Method | MDL | Result |
|--|-------|---|-----|--------|
| | | | | No.1 |
| Halogen-Chlorine (Cl) (CAS No.: 22537-15-1) | mg/kg | With reference to BS EN 14582 (2016). Analysis was performed by IC. | 50 | 235 |
| Halogen-Bromine (Br) (CAS No.: 10097-32-2) | mg/kg | With reference to BS EN 14582 (2016). Analysis was performed by IC. | 50 | n.d. |
| Antimony (Sb) | mg/kg | With reference to US EPA 3052 (1996). Analysis was performed by ICP-OES. | 2 | n.d. |

Note :

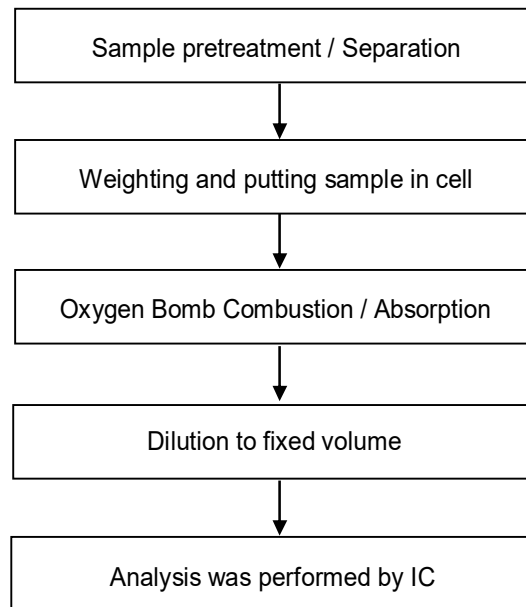
1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected = less than MDL

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Analytical flow chart - Halogen

- Technician: Rita Chen
- Supervisor: Troy Chang



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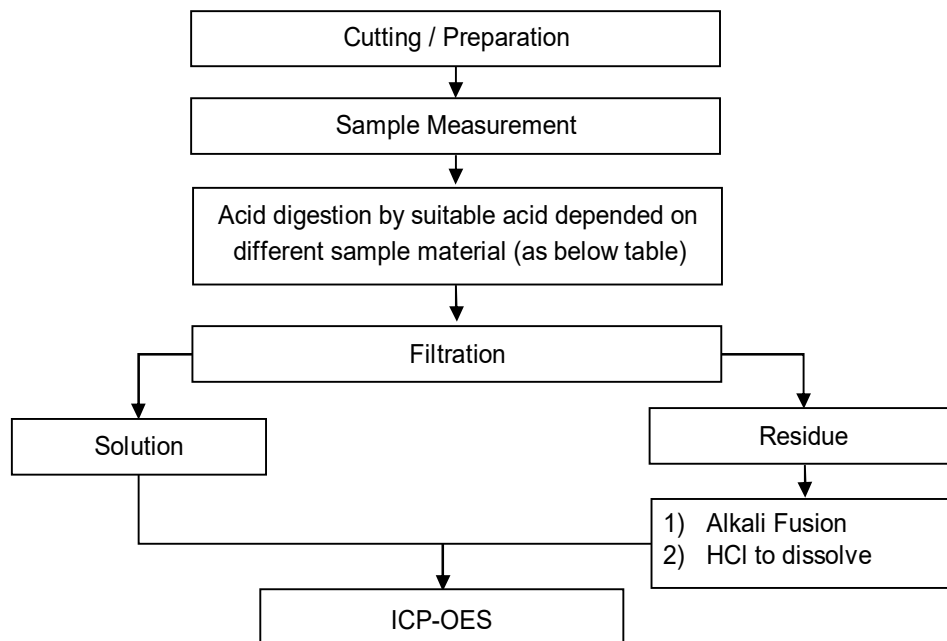
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These samples were dissolved totally by pre-conditioning method according to below flow chart.

- Technician: Rita Chen
- Supervisor: Troy Chang

Flow Chart of digestion for the elements analysis performed by ICP-OES



| | |
|------------------------------------|---|
| Steel, copper, aluminum, solder | Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂ |
| Glass | HNO ₃ /HF |
| Gold, platinum, palladium, ceramic | Aqua regia |
| Silver | HNO ₃ |
| Plastic | H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl |
| Others | Added appropriate reagent to total digestion |

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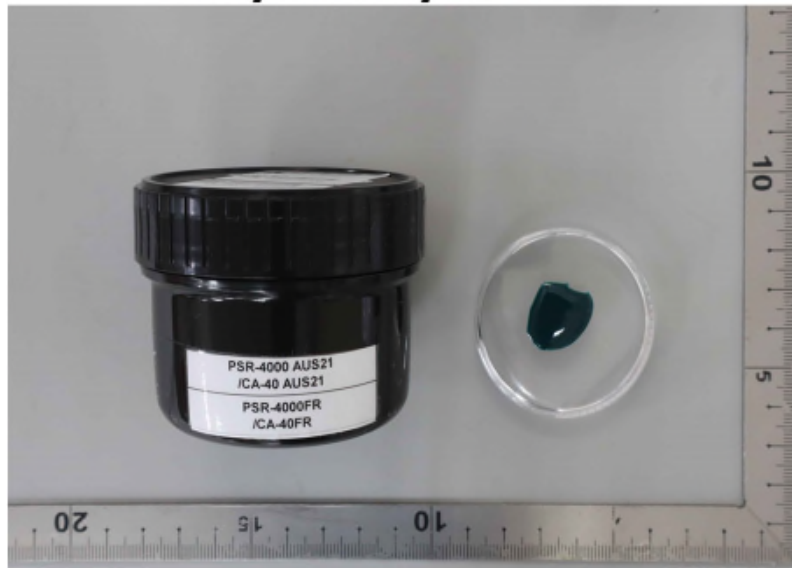
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* The tested sample / part is marked by an arrow if it's shown on the photo. *

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** End of Report **