

## Test Report

No. : CE/2018/A1747

Date : 2018/10/16

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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 SP19A/CA-40 SP19A (UL:PSR-4000EM/CA-40EM)  
Color : GREEN  
Style/Item No. : INK  
Sample Receiving Date : 2018/10/09  
Testing Period : 2018/10/09 TO 2018/10/16

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

  
Troy Chang, Manager - Tech  
Signed for and on 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	135
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-AES.	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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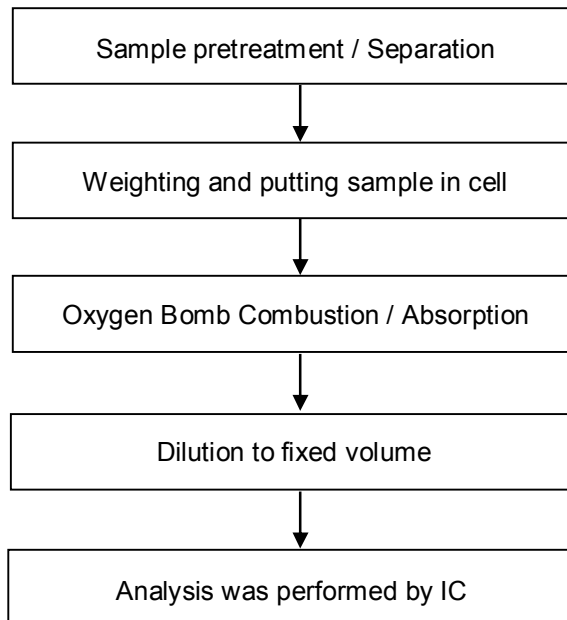
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### Analytical flow chart - Halogen

- Technician: Rita Chen
- Supervisor: Troy Chang



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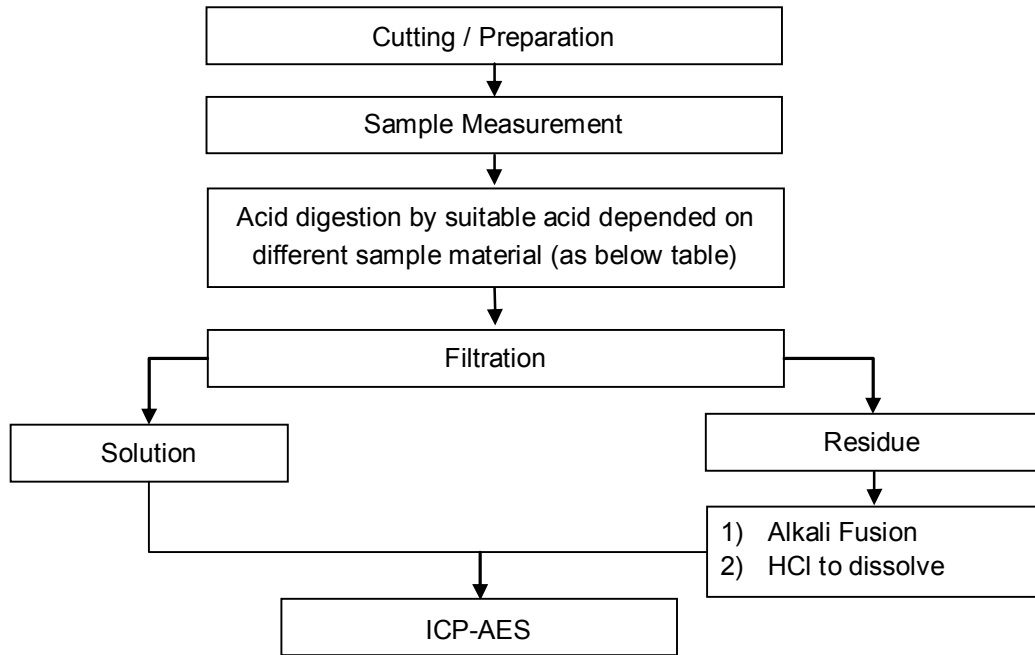
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These samples were dissolved totally by pre-conditioning method according to below flow chart.

- Technician: Rita Chen
- Supervisor: Troy Chang

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



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

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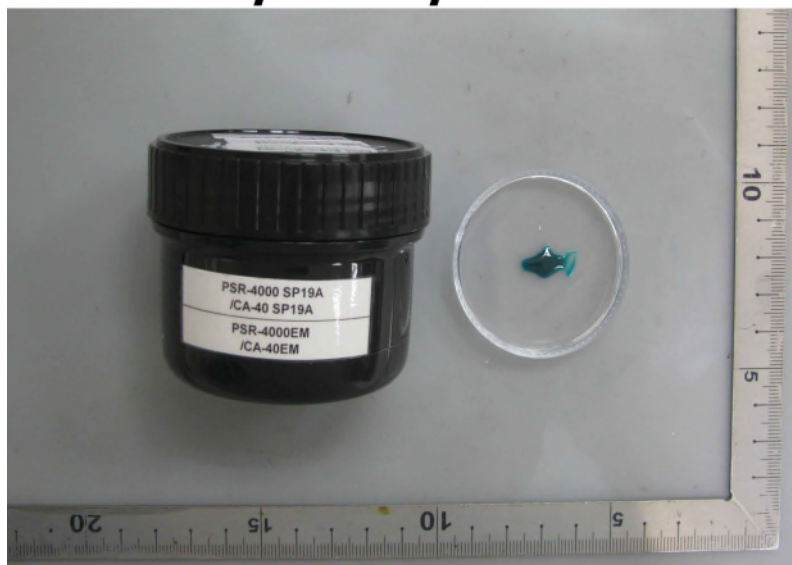
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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

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\*\* End of Report \*\*

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