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TECHI COLOR INDUSTRIAL CO., LTD. 17-8, ALLEY 3, LANE 18, HO PING EAST. RD., SEC. 2, TAIPEI, TAIWAN

#### The following sample(s) was/were submitted and identified by/on behalf of the client as:

1351

Sample Description

Style/Item No. : PIGMENT Sample Receiving Date : 2007/03/22

Testing Period : 2007/03/22 TO 2007/03/29

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**Test Requested** 

In accordance with the RoHS Directive 2002/95/EC, and its

amendment directives.

**Test Method** 

- (1) With reference to IEC 62321, Ed.1 111/54/CDV Section 11. Determination of Cadmium by ICP-AES.
- (a) With reference to IEO 00004. Feld 444/E4/OR
- With reference to IEC 62321, Ed.1 111/54/CDV Section 11. Determination of Lead by ICP-AES.
- (3) With reference to IEC 62321, Ed.1 111/54/CDV Section 10. Determination of Mercury by ICP-AES.
- (4) With reference to IEC 62321, Ed.1 111/54/CDV Section 9. Determination of Hexavalent Chromium for nonmetallic samples by UV/Vis Spectrometry.
- (5) With reference to IEC 62321, Ed.1 111/54/CDV- Section7. Determination of PBB and PBDE by GC/MS.

Test Result(s)

Please refer to next page(s).

Conclusion

Based on the performed tests on submitted samples, the test

results are compliant with the limits of RoHS Directive

2002/95/EC and its subsequent amendments.

Daniel Yeh, M.R. Operation Manager

Signed for and on behalf of SGS TAIWAN LTD.



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Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result No.1	MDL	RoHS Limit
Lead (Pb)	(2)	15	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium Cr(VI) by alkaline	(4)	n.d.	2	1000
extraction				
Sum of PBBs	(5)	n.d.	-	1000
Monobromobiphenyl		n.d.	5	-
Dibromobiphenyl		n.d.	5	-
Tribromobiphenyl		n.d.	5	-
Tetrabromobiphenyl		n.d.	5	-
Pentabromobiphenyl		n.d.	5	-
Hexabromobiphenyl		n.d.	5	-
Heptabromobiphenyl		n.d.	5	-
Octabromobiphenyl		n.d.	5	-
Nonabromobiphenyl		n.d.	5	-
Decabromobiphenyl		n.d.	5	-
Sum of PBDEs (Mono to Nona) (Note 4)		n.d.	-	1000
Monobromobiphenyl ether		n.d.	5	-
Dibromobiphenyl ether		n.d.	5	-
Tribromobiphenyl ether		n.d.	5	-
Tetrabromobiphenyl ether		n.d.	5	-
Pentabromobiphenyl ether		n.d.	5	-
Hexabromobiphenyl ether		n.d.	5	-
Heptabromobiphenyl ether		n.d.	5	-
Octabromobiphenyl ether		n.d.	5	-
Nonabromobiphenyl ether		n.d.	5	-
Decabromobiphenyl ether		n.d.	5	-
Sum of PBDEs (Mono to Deca)		n.d.	-	-

### **TEST PART DESCRIPTION:**

NO.1 YELLOW PIGMENT LUMP

Note: 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. According to 2005/717/EC DecaBDE is exempt.

5. "-" = Not Regulated

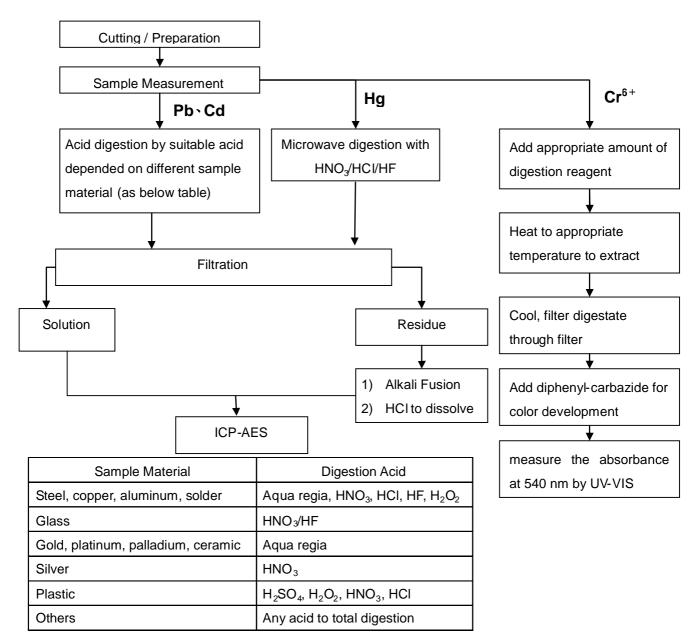
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- These samples were dissolved totally by pre-conditioning method according to below flow chart.
  (Cr6+ test method excluded)
- 2) Name of the person who made measurement: Troy Chang
- 3) Name of the person in charge of measurement: Daniel Yeh



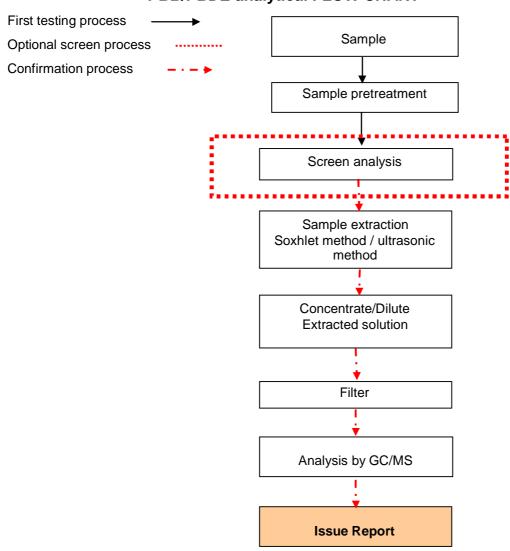


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### **PBB/PBDE** analytical FLOW CHART

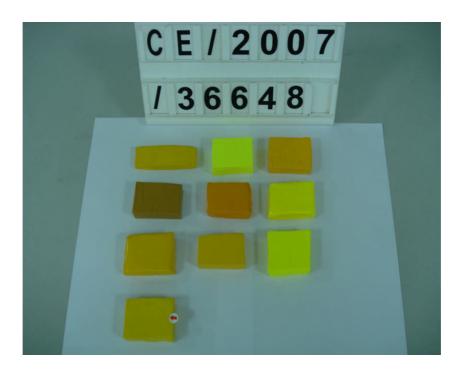




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\*\* End of Report \*\*