



TEST REPORT

Lab No. : (6208)085-0224
Date : March 28, 2008
Page : 1 of 6

Applicant : New Prismatic Enterprise Co., Ltd.
9F., No.3, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.

Contact Person : —

Date of Submission : March 25, 2008

Performance Date : March 25, 2008 to March 28, 2008

Sample Description

Product Name : Thermochromic MC Pigment

Item No. : TM-PD 65-3111

Buyer's Order No. : —

Sample Quantity : —

SUMMARY OF TEST RESULTS

TEST REQUESTED	REMARK
Heavy Metals Test / Flame Retardants Test - Restriction of Hazardous Substances Directive (RoHS), 2002/95/EC	Test result in page 2

REMARK

If there are questions or concerns on this report, please contact us with the following email box:

E-mail Box: chemical.inquiry@tw.bureauveritas.com

PREPARED BY : Paul Huang

BUREAU VERITAS CONSUMER PRODUCTS
SERVICES (H.K.) LIMITED, TAIWAN BRANCH

Charles Hung

DR. CHARLES HUNG
ASSISTANT MANAGER
ANALYTICAL DEPARTMENT

CN: (6208)085-0224/PH/CH



**BUREAU
VERITAS**

Lab No. : (6208)085-0224
Date : March 28, 2008
Page : 2 of 6

TEST RESULT

Restriction of Hazardous Substances Directive (RoHS), 2002/95/EC

Tested item	
1.	Red powder

Compounds	Detection Limit (mg/kg)	Tested item (mg/kg)
		1
Lead [Pb]	2	N.D.
Cadmium [Cd]	2	N.D.
Mercury [Hg]	2	N.D.
Chromium (VI) [Cr(VI)]	2	N.D.
Polybrominated Biphenyls[PBB]		
Bromobiphenyls	5	N.D.
Dibromobiphenyls	5	N.D.
Tribromobiphenyls	5	N.D.
Tetrabromobiphenyls	5	N.D.
Pentabromobiphenyls	5	N.D.
Hexabromobiphenyls	5	N.D.
Heptabromobiphenyls	5	N.D.
Octabromobiphenyls	5	N.D.
Nonabromobiphenyls	5	N.D.
Decabromobiphenyl	5	N.D.
Sum of PBBs	5	N.D.
Polybrominated Diphenyl Ethers[PBDE]		
Bromodiphenyl ethers	5	N.D.
Dibromodiphenyl ethers	5	N.D.
Tribromodiphenyl ethers	5	N.D.
Tetrabromodiphenyl ethers	5	N.D.
Pentabromodiphenyl ethers	5	N.D.
Hexabromodiphenyl ethers	5	N.D.
Heptabromodiphenyl ethers	5	N.D.
Octabromodiphenyl ethers	5	N.D.
Nonabromodiphenyl ethers	5	N.D.
Decabromodiphenyl ether	5	N.D.
Sum of PBDEs	5	N.D.

CN: (6208)085-0224/PH/CH

Bureau Veritas
Consumer Product Service (H.K.) Ltd.
Taiwan Branch
37, Zhongyang S Rd., Sec. 2, Beitou,
Taipei 112, Taiwan, R.O.C.

Tel : 886-2-2895-3666
Fax: 886-2-2895-6999
<http://www.cps.bureauveritas.com>

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at <http://www.cps.bureauveritas.com> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our finding solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from the date of issuance of this report to notify us of any material error or omission caused by our negligence; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Note:

a. N.D. = Not Detected — = Empty mg/kg = ppm

Test Method:

Reference to IEC 62321.Ed.1 (TC111/95/CDV) : Electrotechnical Products - Determination of Levels of Six Regulated Substances.

i. Lead [Pb] and Cadmium [Cd]:

The sample is comminuted and digested with acid mixtures. The contents of Pb and Cd are determined with ICP-OES technique. (Reference: Section 9, page 49)

ii. Mercury [Hg]:

The sample is comminuted and digested with acid mixtures. The content of Hg is determined with ICP-OES technique. (Reference: Section 7, page 35)

iii. Chromium (VI) [Cr(VI)]:

The sample is comminuted and digested with alkaline mixtures. The content of Chromium VI is determined with UV-VIS spectroscopic technique. (Reference: Annex C, page 83)

iv. Polybrominated Biphenyls [PBB] and Polybrominated Diphenyl Ethers [PBDE]:

The sample is first scanned by infra red (IR) spectroscopy and appropriate solvent is used for extraction. The contents of PBBs and PBDEs are determined by GC-MS. (Reference: Annex A, page 63)

Remark:

1. The result relates only to the tested item. The report shall not be reproduced except full without the written approval of the testing laboratory. Parameters which are not covered by the lab's testing scope are subcontracted to laboratories with government approval. The accreditation relates to competences given in the accreditation certificate.

-----End-----

CN: (6208)085-0224/PH/CH

Photo of the Submitted Sample



CN: (6208)085-0224/PH/CH

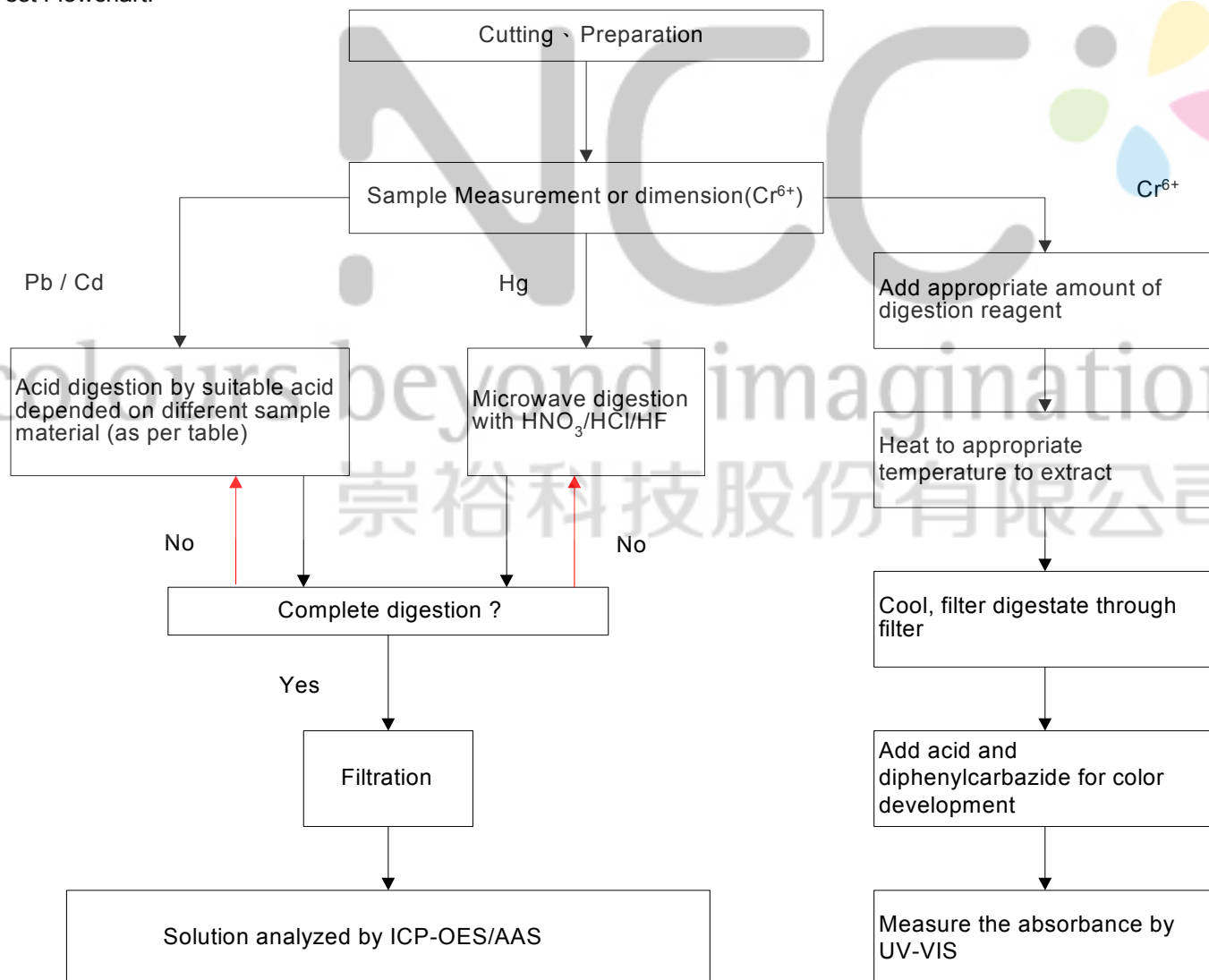
APPENDIX

1. Determination of Heavy metal content — Pb, Cd, Hg, Cr(VI)

- I. Name of the person who made measurement: Jay Chou
- II. Name of the person in charge of measurement: Charles Hung

Sample Material	Digestion Acid
Glass, Ceramic, Electronic Components	HNO ₃ , HF, HCl
Plastics	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl, HF
Others	Any acid to complete digestion

Test Flowchart:



CN: (6208)085-0224/PH/CH

APPENDIX

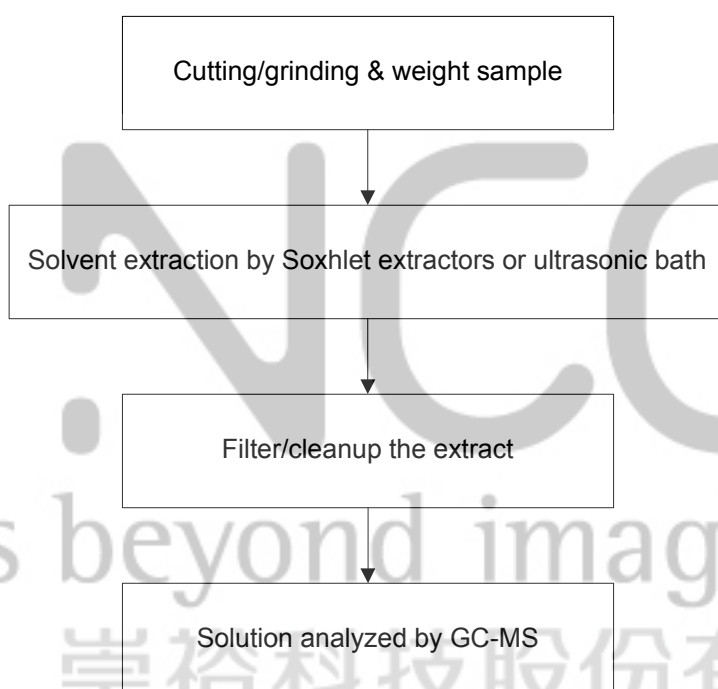
2. Determination of PBB & PBDE

III. Name of the person who made measurement: Judy Chen

IV. Name of the person in charge of measurement: Charles Hung

Sample Material	Solvent
Plastic, Polymers, Textile, Leather, Electronic Components etc.	Toluene etc.

Test Flowchart:



CN: (6208)085-0224/PH/CH