



中国认可
国际互认
检测
TESTING
CNAS L9381



Examining Report

Reference: ESZ2411180143C00101R

Date: November 22,2024

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委托单位 : Zhejiang Jinqiu Lifeng Environmental Protection Materials Co., LTD

Address: No.747 Zhiyuan North Road, Fuxi Street, Deqing County, Huzhou City, Zhejiang Province

The following test samples and sample information are provided and confirmed by the applicant

Sample name: black powder coating

Type: EH36164

Date of receipt: November 18,2024

Testing period: November 18,2024 ~ November 22,2024

Overview of testing:

surveillance project

conclusion

EU Directive 2011/65/EU (RoHS) and its revised directive

accord with

Note: Pass; Fail; Not evaluated or only test results provided (N/A)

On behalf of
Suzhou Credit Standard Technology
Service Co., Ltd.



authorized signatory:

Tian Jing, Tiffany

examine and verify :

Du Shi, Damon

sign and issue :

Jiang Yufeng, au-
thorized signatory
of Jason

November 22,2024

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the testes requested by you and the results thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. 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.



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Sample description (the samples and sample information for the following tests are provided and confirmed by the applicant)

Sample serial number	Sample number	quantity
01	E2411180143-01-C	1pc

Same material model
PN36280/EMA35879-A/H3789-5/EN34853-1/PH35180-1/PM31271-3/EM31463/EH31421-1A/EM36761/EM33324/EM31450/PM36737/EM36740/EN36281/EN31457/ PN34745/EM35467/EM35272/EMA35066/EH34276/EM31155/EH35502/PHA31454/ /EMA34388/PMS34156-C/EMA34817/EN34867/EN35332/EM35848-1/PM36647/ EM31450-1/EH31038-1/PNA34688A/EM35369/PMA34780/EM32477/PH3006/ EH31243/EMA31350/EN31316/EN31286/EMS34969/EM31474/EH31421-1/ EM35483/PM34278.....

Summary of test results

1. RoHS

1.1 Test Method

surveillance project	test method
Cadmium (Cd), lead (Pb)	IEC 62321-5:2013
mercury (Hg)	IEC 62321-4:2013+A1:2017
Hexavalent chromium (Cr ^{>1})	IEC 62321-7-2:2017
Polubrominated biphenyls (1-10) (PBBs), and polybrominated diphenyl ethers (1-10) (PBDEs)	IEC 62321-6:2015
DIBP, DBP, BBP, DEHP	IEC 62321-8:2017

1.2 Detection Device

device name	vender	model
ICP-OES	Agilent	720
UV-Vis	SHIMADZU	UV-1800
GC-MS	Agilent	7890B-5977A
GC-MS	SHIMADZU	QP2010 Ultra

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1.3 Test results: Limits are in accordance with the EU Directive 2011/65/EU (RoHS) and its revised Directive

surveillance project	Results (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	01		
lead (Pb)	N.D.	2	1000
cadmium (Cd)	N.D.	2	100
mercury (Hg)	N.D.	2	1000
Hexavalent chromium (Cr ^{<sup>1</sup>})	N.D.	8	1000

surveillance project	Results (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	01		
Polobenzaryl (1-10) (PBBs)	N.D.	--	1000
Biphenyl with a single bromine	N.D.	5	--
Bisbromobiphenyl	N.D.	5	--
Tri-bromobenzene	N.D.	5	--
Tetrabromobiphenyl	N.D.	5	--
Pentabromobiphenyl	N.D.	5	--
hexabromobiphenyl	N.D.	5	--
Heptabromobiphenyl	N.D.	5	--
octabromobiphenyl	N.D.	5	--
Non-brominated biphenyl	N.D.	5	--
Decabenzylbromide	N.D.	5	--
Polybrominated diphenyl ethers (1-10) (PBDEs)	N.D.	--	1000
BDE-1	N.D.	5	--
dibromodiphenyl ether	N.D.	5	--
TBBP	N.D.	5	--
Tetrabromodiphenyl ether	N.D.	5	--
PentaBDE	N.D.	5	--

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Hexabromodiphenyl ether	N.D.	5	--
Heptabromodiphenyl ether	N.D.	5	--
Octabromodiphenyl ether	N.D.	5	--
Nonbrominated diphenyl ether	N.D.	5	--
decabromodiphenyl oxide	N.D.	5	--

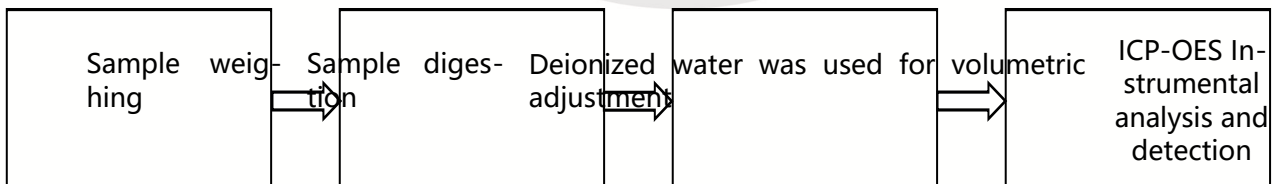
surveillance project	CAS No.	Results (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
		01		
Dibutyl phthalate (DIBP)	84-69-5	N.D.	50	1000
Dibutyl phthalate (DBP)	84-74-2	N.D.	50	1000
Benzyl benzoate (BBP)	85-68-7	N.D.	50	1000
Diethylhexyl phthalate (DEHP)	117-81-7	N.D.	50	1000

remarks

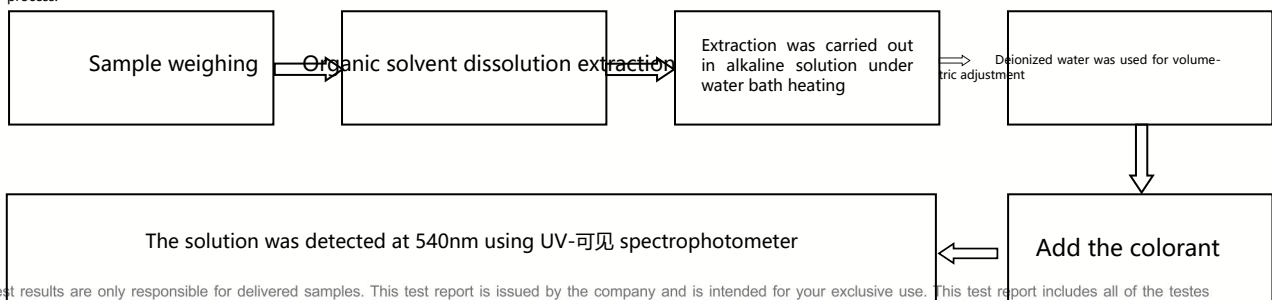
- 1) N. D. = Not detected (below MDL)
- 2) MDL = Method detection limit
- 3) Samples for lead, cadmium and mercury detection were completely dissolved.

1.4 Test Flow Chart

Test process for Pb, Cd and Hg:



Cr6¹ test process:



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Test procedures for PBBs & PBDEs, DIBP, DBP, BBP, and DEHP:

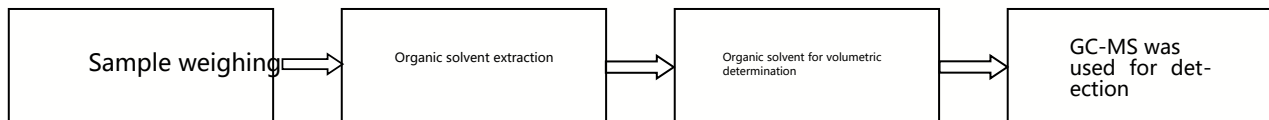


Photo of the sample



*** Report is finished ***

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Statement Statement

1. Except for the information listed on the first page of this test report, such as sample source, sampling date, testing date, testing results and testing conclusion, all information is provided by the client, who is responsible for the representativeness of the sample and the authenticity of the data, and the laboratory shall not assume any relevant responsibility.

The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.

2. This test report makes conformity determination based on measured values without considering the risk caused by uncertainty, except as expressly stipulated in special agreements, standards or specifications. The risk caused by this determination method shall be borne by the customer, and the laboratory shall not assume relevant responsibilities.

The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.

3. The test report is invalid without the signature of the approver and the "Special Seal of inspection and testing". The report shall not be copied in whole or in part without the written consent of the laboratory.

The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.

4. The test results in this test report are only responsible for the samples sent for testing. The test report without qualification certification mark does not have a notarized effect on the society. For the use of test data and results, the laboratory shall not bear any economic and legal responsibility for the direct or indirect losses and all legal consequences.

This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.

5. In this test report, the test items marked with an underline are not within the scope of the laboratory's qualification and accreditation ability, and the test results of this item are only used for customer commission, scientific research, teaching or internal quality control purposes.

The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching ,teaching or internal quality control.

6. Other statements are to be found in the footnote of the report and on the back page of the written report.

For other statements, please refer to the footer of the report.

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Sign off the test report clause

Conditions of Issuance of Test Reports

1. Suzhou XinCe Standard Technology Service Co., Ltd. ("the Company") accepts relevant samples and goods to provide testing and reporting services in compliance with the following terms. The Company provides its services pursuant to these terms, which constitute an agreement between the Company and the individual, enterprise, or corporation ("the Client") seeking such services.

All samples and goods are accepted by the EMTEK(Suzhou) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").

2. Any reports issued in connection with this testing application (hereinafter referred to as the [Report]) will be strictly confidential by our company. Without the written consent of our company, neither the entire Report nor any part thereof may be reproduced, used for advertising or other authorized purposes. However, clients may present or submit printed copies of the Report or approved duplicates to their customers, suppliers, or directly relevant parties. Unless required by relevant government authorities, laws, or regulations, our company shall not disclose the contents of the Report to any third party without the client's prior consent. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it , or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not , without the consent of the Clients , enter into any discussion or correspondence with any third party concerning the contents of the Report , unless required by the relevant governmental authorities , laws or court orders.
3. Unless required by the relevant government authorities, laws or courts, the Company is not required and has no obligation to appear before a court to testify in respect of such reports without the prior written consent of the Company. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent , unless required by the relevant governmental authorities , laws or court orders.
4. If the Company determines that the report has been improperly used, the Company reserves the right to withdraw the report and to claim other appropriate additional compensation.
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. The company accepts the samples for testing on the premise that the test report cannot be used as the basis for legal action against the company.
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company shall not be liable for any loss or damage resulting from the use of information contained in any of its reports or any communication regarding its tests or investigations, including but not limited to losses or damages caused by using data from any report or related testing/research activities described in such communications.
7. If the test report is to be used in court proceedings or arbitration, the client must inform us of the intention before submitting the test sample.
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The supporting data and information in this test report shall be retained by the company for 10 years. For individual review agencies with special requirements, the retention period of testing data and reports may be adjusted accordingly. Once the aforementioned submission retention period expires, the data and information will be processed and disposed of. Under no circumstances shall the company be required to provide any processed expired data or information. Even if the company is notified in advance of potential damages, it shall not be liable for any damages whatsoever, including (but not limited to) compensatory damages, loss of profits, data loss, or any form of specific damages, incidental damages, indirect damages, consequential damages, or punitive damages arising from breach of contract, violation of commitments, torts (including negligence), product liability, or other causes.

Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no

circumstances shall we provide any data and information which has been disposed of after retention period. Under no

circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost

data or any form of special incidental indirect, consequential or punitive damages of any kind whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility

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of such damages.



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