



更快 更准 更满意
Efficient Accurate Satisfying



中国认可
国际互认
检测
TESTING
CNAS L9939

TEST REPORT

Report No.: FCM2422713 (EN)(R1)
Sample Name: Taisox EVA Hot Melt Grade Polymer
Applicant: Formosa Plastics Corporation
Manufacturer: /

南京海关危险货物与包装检测中心

NANJING CUSTOMS DISTRICT TESTING CENTER
FOR DANGEROUS GOODS AND PACKAGING

国家食品接触材料检测重点实验室

STATE KEY TESTING LABORATORY OF FOOD CONTACT MATERIALS





Page:1 / 5

Date: 2024/12/19

Report No.:FCM2422713 (EN)(R1)

Test Report

Information of Applicant (provided by the client):

Applicant: Formosa Plastics Corporation

Address: No. 1, Formosa Industrial Complex, Mailiao, Yunlin County 638, Taiwan, R.O.C

Sample Information (provided by the client):

Sample Name: Taisox EVA Hot Melt Grade Polymer

Manufacturer: /

Material: EVA, CAS No. 24937-78-8

Description: 7760H, 7870H, 7880H, 7A50H, 7A60H, 7B50H, 7B60H

Quantity: 23pcs

Batch No.: /

Test Information:

Sample No.: FCM2422713

Date Received: 2024/11/20

Test Period: 2024/11/20~2024/12/19

Test Requirement: In accordance with the client's requirements: GB 4806.7-2023

Test Items: Please refer to next page(s).

Conclusion: Please refer to next page(s).

Note: The test report FCM2422713 (EN)(R1) is the revision of FCM2422713 (EN). From the date of issuance of the report FCM2422713 (EN)(R1), the test report FCM2422713 (EN) is void.

Signature:

Issue Date:2025/01/02





Page:2 / 5

Date: 2024/12/19

Report No.:FCM2422713 (EN)(R1)

Information of Use (provided by the client)

Contact Food	Use Condition	Use S/V	Cleaning Requirement
/	Repeated use	Unknown	/

Summary of Test Items and Results

Test Item	Resource of Restriction and Requirement	Conclusion
Sensory requirements	GB 4806.7-2023	Pass
General physicochemical indexes	GB 4806.7-2023	Pass
Migration of acetic acid, vinyl ester	GB 4806.7-2023	Pass

Remark:

- (1)LOD/LOQ =Limit of Detection/Limit of Quantification.
(2)N.D.=not detected (less than LOD/LOQ).
(3)The test result between LOD and LOQ is for reference only.
(4)When the limit is expressed as "Non-detectable", the limit of detection/ quantification is equivalent to LOD/LOQ specified in the test method, except for the specific requirements listed in standards.

Test Information:

- (1)As for repeated use articles: 1st time: The migration tests were carried out only one time.
(2)Correction S/V:6dm² /1L (kg) .

Test Result

1. Sensory requirements

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Sensory	Comply	The product shall have normal color. Abnormal odor and unclean thing is not permitted.	Pass	GB 4806.7-2023
The food simulant	Comply	Sensory deterioration of the food simulant obtained from the migration test such as turbidity, precipitate and abnormal odor is not permitted.	Pass	GB 4806.7-2023





Page:3 / 5

Date: 2024/12/19

Report No.:FCM2422713 (EN)(R1)

2. General physicochemical indexes

2.1. Overall migration

2.1.1. Test condition: 4%(v/v) acetic acid, 40℃, 10d, 1st time

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Overall migration, mg/dm ²	2.0	≤10	Pass	GB 31604.8-2021

Note: (1)In accordance with the client's requirements, the compliance of the test items was checked on the basis of the level of the migration found in the 1st test.

2.1.2. Test condition: 50%(v/v) ethanol, 40℃, 10d, 1st time

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Overall migration, mg/dm ²	1.8	≤10	Pass	GB 31604.8-2021

Note: (1)In accordance with the client's requirements, the compliance of the test items was checked on the basis of the level of the migration found in the 1st test.

2.2. Consumption of potassium permanganate

2.2.1. Test condition: water, 60℃, 2h, 1st time

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Consumption of potassium permanganate, mg/kg	1.9	≤10	Pass	GB 31604.2-2016

2.3. Heavy metal (as Pb)

2.3.1. Test condition: 4%(v/v) acetic acid, 60℃, 2h, 1st time

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Heavy metal (as Pb), mg/kg	<1	≤1	Pass	GB 31604.9-2016 1st method

2.4. Sum of primary aromatic amines released

2.4.1. Test condition: 4%(v/v) acetic acid, 40℃, 10d, 1st time

Test Item	Test Result	LOD/LOQ	Restriction and Requirement	Assessment	Test Method
Migration of 1,4-benzenediamine, mg/kg	N.D.	1.0/3.0μg/kg	/	/	GB 31604.52-2021
Migration of 1,3-benzenediamine, mg/kg	N.D.	1.0/3.0μg/kg	/	/	GB 31604.52-2021
Migration of 2,4-diaminotoluene, mg/kg	N.D.	1.0/3.0μg/kg	/	/	GB 31604.52-2021
Migration of 4,4'-oxydianiline, mg/kg	N.D.	1.0/3.0μg/kg	/	/	GB 31604.52-2021
Migration of benzidine, mg/kg	N.D.	1.0/3.0μg/kg	/	/	GB 31604.52-2021





Test Item	Test Result	LOD/LOQ	Restriction and Requirement	Assessment	Test Method
Migration of 4,4'-diaminodiphenylmethane, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of aniline, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of o-anisidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of o-toluidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 3,3'-dimethyl-4,4'-diaminodiphenylmethane, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 3,3'-dimethoxybenzidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 3,3'-dimethylbenzidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2,6-xylydine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2,4'-diaminodiphenylmethane, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2,4-diaminoanisole, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2-methoxy-5-methylaniline, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2,4,5-trimethylaniline, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 4,4'-thiodianiline, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 4-chloroaniline, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2,4-xylydine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2-naphthylamine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 2,2'-diaminodiphenylmethane, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of biphenyl-4-amine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 4-chloro-o-toluidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 5-nitro-o-toluidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 3,3'-dichlorobenzidine, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of 4-(phenylazo)aniline, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021





Page:5 / 5

Date: 2024/12/19

Report No.:FCM2422713 (EN)(R1)

Test Item	Test Result	LOD/LOQ	Restriction and Requirement	Assessment	Test Method
Migration of 4,4'-methylene-bis-(2-chloroaniline), mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Migration of o-aminoazotoluene, mg/kg	N.D.	1.0/3.0µg/kg	/	/	GB 31604.52-2021
Sum of primary aromatic amines released, mg/kg	<0.010	1.0/3.0µg/kg (each)	Non-detectable(LOD: 0.01mg/kg)	Pass	GB 31604.52-2021

3. Specific migration

3.1. Test condition: 4%(v/v) acetic acid, 40℃, 10d, 1st time

Test Item	Test Result	LOD/LOQ	Restriction and Requirement	Assessment	Test Method
Migration of acetic acid, vinyl ester, mg/kg	N.D.	-/2.5	≤12	Pass	GB 31604.20-2016

Note: (1)In accordance with the client's requirements, the compliance of the test items was checked on the basis of the level of the migration found in the 1st test.

3.2. Test condition: 50%(v/v) ethanol, 40℃, 10d, 1st time

Test Item	Test Result	LOD/LOQ	Restriction and Requirement	Assessment	Test Method
Migration of acetic acid, vinyl ester, mg/kg	N.D.	-/2.5	≤12	Pass	GB 31604.20-2016

Note: (1)In accordance with the client's requirements, the compliance of the test items was checked on the basis of the level of the migration found in the 1st test.

The picture of submitted sample



*** END ***





声明 Statement

1. 本检测报告未加盖本中心检验检测专用章、无授权签字人批准或涂改均无效。
1. The test report is invalid without our center inspection & test special use stamp, signature of authorized person or data to be altered.
2. 本检测报告含封面和封底。未经本中心书面批准，不得部分复制本报告（全文复制除外）。复制报告并经本中心加盖检验检测专用章确认后方有效。
2. The test report contains cover and back cover. Don't copy this report in partial (except full copy) without any official approval in written by our center. Reproduction of the report with fresh inspection & test special use stamp of our center is effective.
3. 未经本中心允许，委托方不得擅自使用检测数据、结果进行不正当宣传。
3. Without prior approval of our center, the client shall not use the testing data and results for improper publicity.
4. 未加盖 CMA 标志的报告，数据和结果仅供科研、教学、质控等，对社会不具有证明作用。
4. The data and results of reports without the CMA logo are for internal use only. The report is only used for internal research, teaching, quality control of the samples and not to prove to the society.
5. 本中心仅对所测样品的测试结果负责，不对样品的代表性、委托方提供资料的真实性和完整性负责。
5. The Centre is only responsible for the test results of the tested samples, and is not responsible for the representativeness of the samples or the authenticity and completeness of the information provided by the client.
6. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担，本中心不承担相关责任。
6. 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 clearly stipulated in special agreement, standard or specification. The client shall take the risk caused by the judgment method, meanwhile, our center shall not bear related responsibilities.
7. 委托方对本检测报告的测试结果如有异议，请于报告签发日期起十五个工作日内向本中心书面提出复测申请，逾期不予受理。技术上不具备复测条件的项目除外。
7. If there is any dissent to the test data by, the client should submit the written application for reexamination to the center within fifteen working days from the issue date of the report, except for test items that are not technically eligible for retesting. Overdue submission will not be accepted.

