

Test Report No. 5536068

Date : 3-Apr-2023

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**Client : Qingzhou Macro Secco Packaging Material Co.,Ltd.
North of 309 National Road, South head of Xuda Road, Yidu Sub-district official,Qingzhou
City, Shandong Provice China**

The following sample(s) was/were submitted and identified by client as:

Sample Name : MCPP For Trade Name: MS-201

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 5801244

Sample Condition : Sample is contained in a plastic bag.

Quantity Submitted : 1 pack

Sample Receiving Date : 27-Mar-2023

Testing Period : 27-Mar-2023 to 3-Apr-2023

Test Method & Results : Please refer to next page(s).

Test Requested & Result Summary

Test Requested : Please refer to the result summary (Test parameter(s) was/were selected by client).

Result Summary:

Test Requested	Conclusion
US FDA 21 CFR 177.1520 (Olefin Polymers) - Polypropylene copolymer	--
a) Density	PASS
b) Extractable fraction	PASS
c) Soluble fraction	PASS

Remark:

1. Test results in this report are applicable for the item tested and reflects the tested sample as received.
2. The decision rules based on simple acceptance which the probability of false accept may be as high as 50% in case the results is exactly on the tolerance limit.

**Signed for and on behalf of
SGS (Thailand) Ltd.**



**Rutchuporn Mungsom
Laboratory manager - Toy and Hard goods**

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TEST RESULTS

US FDA 21 CFR 177.1520 (Olefin Polymers)

1. Polypropylene Copolymer

a) Density*

Method : With reference to 21 CFR 177.1520 (d)(1).

Test Item	Result (1) (g/mL)	Permissible Limit (g/mL)
Density at 23 degree C	0.982	0.85-1.00
Comment	PASS	--

Sample Description :

1. Metallized / clear plastic film

Note : 1. g/mL= gram per milliliter

2. degree C = degree Celsius

3. Test(s) marked * on this report are not included in the NSC-ONSC accreditation scope.

b) Extractable Fraction

Method : LBTY-05349 based on 21 CFR 177.1520 (d)(3)(ii). Sample preparation in n-hexane at 50 degree C for 2 hours.

Test Item	Result (1) (%w/w)	Reporting Limit (%w/w)	Permissible Limit (%w/w)
Extractable fraction	3.0	0.3	5.5
Comment	PASS	--	--

Sample Description :

1. Metallized / clear plastic film

Note : 1. % w/w = percentage of weight by weight

2. degree C = degree Celsius

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TEST RESULTS

c) Soluble fraction

Method : LBTY-05351 based on 21 CFR 177.1520 (d)(4)(ii). Sample preparation in xylene at 25 degree C.

Test Item	Result (1) (%w/w)	Reporting Limit (%w/w)	Permissible Limit (%w/w)
Soluble fraction	4.0	0.5	30.0
Comment	PASS	--	--

Sample Description :

1. Metallized / clear plastic film

Note : 1. % w/w = percentage of weight by weight

2. degree C = degree Celsius

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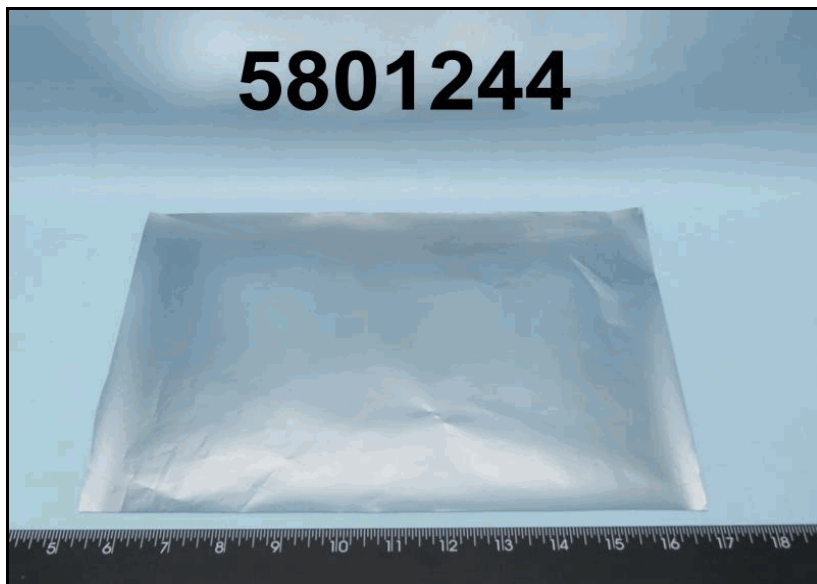
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SAMPLE/ATTACHMENT PICTURE



***** End of Report *****

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