

**Test Report No.** 5871955

**Date :** 26-Apr-2024

**Page 1 of 5**

**Client : Prepack Thailand Co., Ltd.**  
**30/145,Moo1,**  
**Khok Kham, Muang Samutsakhon, Samut Sakorn 74000 Thailand**

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

Sample Name : LLDPE  
Sample Description : Plastic bag  
Manufacturer/Vendor : PREPACK THAILAND CO., LTD.  
Country of Origin : Thailand

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

SGS Sample No. : 6177070  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 1 bag  
Sample Receiving Date : 19-Apr-2024  
Testing Period : 19-Apr-2024 to 26-Apr-2024

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

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



**Rutchuporn Moungsom**  
**Toys and Hardlines Laboratory Manager**



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5573668

**Test Report No.** 5871955

**Date :** 26-Apr-2024

**Page 2 of 5**

**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) - Polyethylene	--
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.

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5573668

**Test Report No.** 5871955

**Date :** 26-Apr-2024

**Page 3 of 5**

**TEST RESULTS**

**US FDA 21 CFR 177.1520 (Olefin Polymers)**

**1. Polyethylene**

**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	0.900	0.85-1.00
Comment	PASS	--

Sample Description :

1. Clear plastic film

- Note :
1. g/mL= gram per milliliter
  2. degree C = degree Celsius

Remark: 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	1.3	0.3	5.5
Comment	PASS	--	--

Sample Description :

1. Clear plastic film

- Note :
1. % w/w = percentage of weight by weight
  2. degree C = degree Celsius

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5573668

**Test Report No.** 5871955

**Date :** 26-Apr-2024

**Page 4 of 5**

**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	5.6	0.5	11.3
Comment	PASS	--	--

Sample Description :

1. Clear plastic film

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

2. degree C = degree Celsius

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5573668

Test Report No. 5871955

Date : 26-Apr-2024

Page 5 of 5

SAMPLE/ATTACHMENT PICTURE



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

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