



中国认可
国际互认
检测
TESTING
CNAS L8082

Test Report

IDFL # 19-281391

**SM231 90% Washed White Duck Down, Muscovy
Duck, Anas Platyrhynchos Domesticus Farm raised**

XS-54885
Zhejiang Samsung Down Co., Ltd

28 Feb 2019

Michael Mao

Zhejiang Samsung Down Co., Ltd
No.288, Xiaoshao East Road, Xintang Street,
Xiaoshan District
Hangzhou, ZJ
CHINA

cyrel@samsungdown.com
michael@samsungdown.com
Arrived: 19 Feb 2019
Completed: 28 Feb 2019

Sample Description: Plumage

Shipped By: sf 810638189641

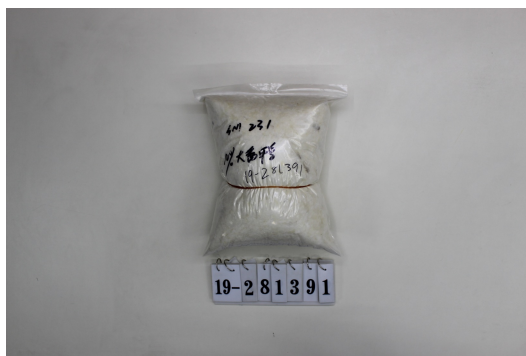
Filling Label:

Sample Identification: SM231 90% Washed White Duck Down, Muscovy Duck, Anas Platyrhynchos Domesticus

BRAND NAME: Mackage

SEASON: FW19

STYLE NAMES: As Per Production/Consumption chart submitted to APP



This analysis represents (within normal testing variances) the test results from the sample(s) submitted. The analysis may not represent the entire lot, batch or production run. In no event shall IDFL be responsible or liable for any direct, indirect, punitive, incidental, special, or consequential damages whatsoever arising out of or connected with the use of, misuse of, or reliance upon such results or analysis. This test report is subject to the Terms and Conditions found at www.idfl.com.

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Sample: 5 of 5



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**SM231 90% Washed White Duck Down, Muscovy
Duck, Anas Platyrhynchos Domesticus Farm raised**

XS-54885
Zhejiang Samsung Down Co., Ltd

28 Feb 2019

Content Analysis IDFB-3 - USA Report Format

Down Cluster	92.2%
Down Fiber	2.7%
Feather Fiber	1.2%
Waterfowl Feathers	3.6%
Broken / Damaged Feathers	0.1%
Quill	0.0%
Landfowl	0.1%
Residue	0.1%
Total	100.0%

Species IDFB-12

Goose Down	0%
Duck Down	100%
Goose Feathers	0%
Duck Feathers	100%
Total Goose	0%
Total Duck	100%

Fill Power

Method	Conditioning	Final
IDFB/Lorch Cylinder (in ³ /30g)	Steam IDFB-10-B	815

Cleanliness Evaluation

Oxygen IDFB-7	1.6 mg/100g
Turbidity IDFB-11-B	1000+ mm
IDFB-11-A	1.23 NTU

End of Report

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USA-2000 Labeling Standards Evaluation

Michael Mao

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IDFL Test Report # **19-281391**

Normal

Completed: 28 Feb 2019

Sample Description: Plumage

Sample Identification: SM231 90% Washed White Duck Down, Muscovy Duck, Anas Platyrhynchos Domesticus

BRAND NAME: Mackage

SEASON: FW19

STYLE NAMES: As Per Production/Consumption chart submitted to APP

Sample Labeled As: IDFL assumes a "90% Down" label for evaluation purposes.

	Content Components	USA 2000 Label Requirements	Test Results	Pass/ Fail
Content Requirements	Down Cluster	Min 90.0%	92.2%	Pass
	Down Fiber	Max 10%	2.7%	Pass
	Feather Fiber	Max 10%	1.2%	Pass
	Broken and Damaged	Max 2.0%	0.1%	Pass
	Quill Feathers	Not Allowed	0.0%	Pass
	Landfowl Feather / Fiber	Max 2.0%	0.1%	Pass
	Residue	Max 2.0%	0.1%	Pass
	Waterfowl Feathers	N/A	3.6%	N/A
Total Species		Min 90% Duck	100%	Pass
Cleanliness Requirements	Oxygen	Max 10 mg/100g	1.6	Pass
	Turbidity	Min 300	1000+	Pass
Hypo-Allergenic Requirements	Oxygen	Max 4.8 mg/100g	1.6	Pass
	Turbidity	Min 500	1000+	Pass
Fill Power (Steam)		Min 95% of 800	815	Pass
Net Fill Weight		N/A	N/A	N/A
Thread Count		N/A	N/A	N/A

Suggested Label based on USA-2000 Requirements:

**DUCK DOWN
(MINIMUM 90% DOWN)**

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Approved By

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