

# Test Report

SM310 90%Washed White Duck Down

**IDFL # 19-294213**

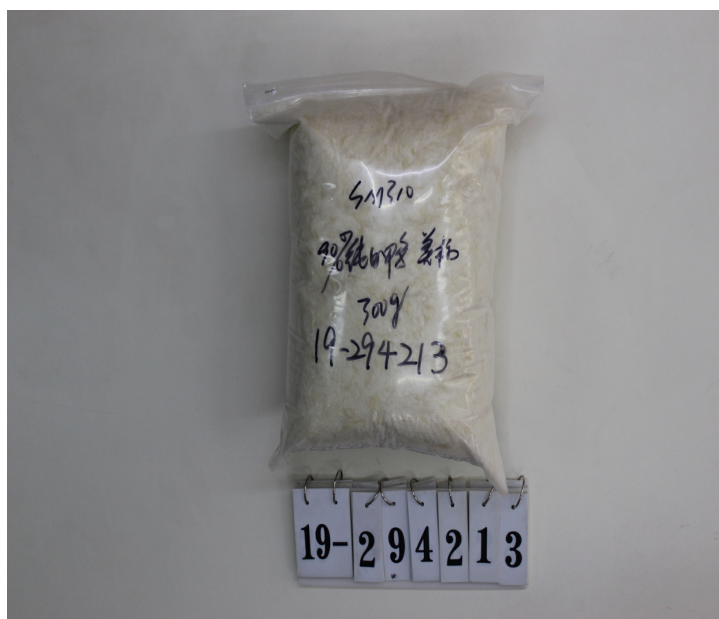
Zhejiang Samsung Down Co., Ltd  
Fri 30 Aug. 2019

**Michael Mao**  
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michael@samsungdown.com  
cyrel@samsungdown.com  
Normal (8-10 Days)

**Arrival Date:** Fri 23 Aug. 2019  
**Report Date:** Fri 30 Aug. 2019

**Sample Type:** Plumage  
**Shipped By:** SF 265634136767  
**Sample Identification:** SM310 90%Washed White Duck Down, Peking Duck, Anas Platyrhynchos Domesticus  
Farm raised  
BRAND NAME: Mackage  
SEASON: FW20  
STYLE NAMES: As Per Production/ Consumption chart submitted to APP



<sup>1</sup> CMA Accredited

<sup>2</sup> CNAS Accredited

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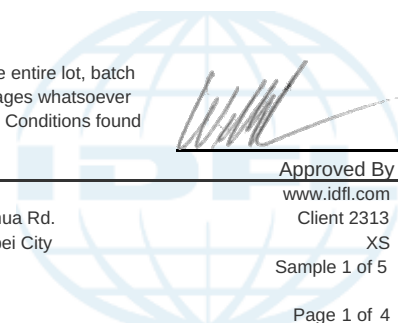
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## Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2013	Down Clusters	92.2%	90
Species Down & Feathers IDFB Part 12 2013	Total Goose	0%	-
	Total Duck	100%	-
Steam Fill Power IDFB Part 10-B 2015	Final Fill Power Volume	775 in <sup>3</sup> /30g	750
Oxygen IDFB Part 7 2013	Oxygen	1.6 mg/100g	-
Turbidity IDFB Part 11 2013	Turbidity Glass Tube	1000 mm	-

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## Content IDFB Part 3 2013<sup>2, 1</sup>

Down Clusters	92.2%
Down Fibers	1.8%
Waterfowl Feather Fibers	0.9%
Waterfowl Feathers	5.0%
Broken and Damaged Waterfowl Feathers	0.0%
Quill	0.0%
Landfowl	0.0%
Residue	0.1%
Total	100.0%

## Species Down & Feathers IDFB Part 12 2013<sup>2, 1</sup>

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

## Steam Fill Power IDFB Part 10-B 2015<sup>2, 1</sup>

Volume	775 in <sup>3</sup> /30g
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### Oxygen IDFB Part 7 2013<sup>2, 1</sup>

Oxygen    **1.6 mg/100g**

### Turbidity IDFB Part 11 2013<sup>2, 1</sup>

Turbidity Glass Tube    **1000 mm**

Turbidity NTU    **1.17 NTU**

### USA-2000 Labeling Standard - Down & Feather Products USA

Evaluation Component	Test	Test Component	Requirement	Result	Finding
Basic	Oxygen IDFB Part 7 2013	Oxygen	Max 10 mg/100g	<b>1.6 mg/100g</b>	Pass
	Turbidity IDFB Part 11 2013	Turbidity	Min 300 mm	<b>1000 mm</b>	Pass
DOWN - MINIMUM 90% DOWN	Content IDFB Part 3 2013	Down Cluster	Min 90%	<b>92.2%</b>	Pass
		Landfowl Feathers	Max 2%	<b>0.0%</b>	Pass
		Broken and Damaged Feathers	Max 2%	<b>0.0%</b>	Pass
		Residue	Max 2%	<b>0.1%</b>	Pass
		Down Fiber	Max 10%	<b>1.8%</b>	Pass
Feather Fiber	Max 10%	<b>0.9%</b>	Pass		
Fill Power Claim	Steam Fill Power IDFB Part 10-B 2015	Fill Power	Min 750.0 in <sup>3</sup> /30g -5%	<b>775 in<sup>3</sup>/30g</b>	Pass
Hypoallergenic / Super-Clean	Oxygen IDFB Part 7 2013	Oxygen	Max 4.8 mg/100g	<b>1.6 mg/100g</b>	Pass
	Turbidity IDFB Part 11 2013	Turbidity	Min 500 mm	<b>1000 mm</b>	Pass
Total Duck	Species Down & Feathers IDFB Part 12 2013	Duck (Down & Feathers)	Min 90%	<b>100%</b>	Pass

Suggested Label based on USA requirements

DUCK DOWN  
(MINIMUM 90% DOWN)

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