

Final Test Report

25% white duck down

IDFL # 20-318047

Zhejiang Samsung Down Co., Ltd
Mon 12 Oct. 2020

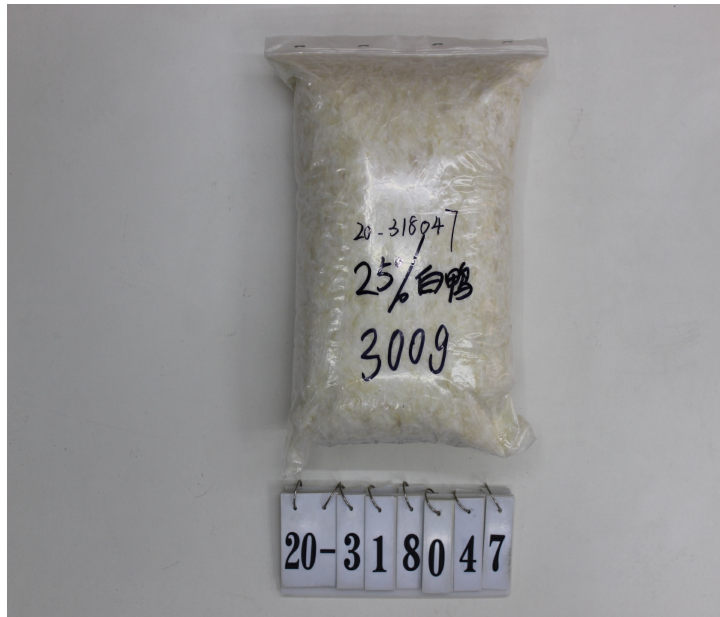
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3-Day

Arrival Date: Mon 28 Sept. 2020
Testing Dates: From Mon 28 Sept.
2020
to Mon 12 Oct. 2020

Rush Report Date: Wed 30 Sept. 2020
Final Report Date: Mon 12 Oct. 2020

Sample Type: Plumage
Shipped By: SF 1089596003095
Sample Identification: 25% white duck down
LOT: SM314US-25WDD-20001



¹ CMA Accredited

² CNAS Accredited

Tested according to IDFB 2017

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检测
TESTING
CNAS L3002

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Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2013	Down Clusters	34.2%	25.0%
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	450 in ³ /30g	
Oxygen IDFB Part 7 2013	Oxygen	1.6 mg/100g	
Turbidity IDFB Part 11 2013	Turbidity Glass Tube	1000 mm	
Fat and Oil IDFB Part 4 2013	Fat and Oil	1.3%	
Moisture IDFB Part 5 2013	Moisture Content	8.1%	
Odor IDFL 30 2018	Actual Lab Test	4	

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Content IDFB Part 3 2013^{1, 2}

Down Clusters	34.2%
Down Fibers	1.5%
Waterfowl Feather Fibers	1.5%
Waterfowl Feathers	60.9%
Broken and Damaged Waterfowl Feathers	1.6%
Quill	0.0%
Landfowl	0.0%
Residue	0.3%
Total	100.0%

Species Down & Feathers IDFB Part 12 2013^{1, 2}

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^{1, 2}

Volume	450 in ³ /30g
--------	--------------------------

Oxygen IDFB Part 7 2013^{1, 2}

Oxygen	1.6 mg/100g
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Turbidity IDFB Part 11 2013^{1, 2}

Turbidity Glass Tube	1000 mm
Turbidity NTU	1.00 NTU

Fat and Oil IDFB Part 4 2013

Fat and Oil	1.3%
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Tested by the following locations:

CIQ - Down & Feather Testing Lab Xiaoshan Zhejiang Imp. & Exp. Comm Insp

Moisture IDFB Part 5 2013^{1, 2}

Moisture Content	8.1%
------------------	------

Dust IDFL 21

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Description	Evaluation	Comments
Check-In		
1. DUST UPON ARRIVAL Presence of dust on the inside of plastic packaging.	Low Dust	N/A
Opening Room		
2. DUST BETWEEN COVER AND SHELL (PILLOWS) Examine the exterior of the pillow and the interior of the cover for dust. Vigorously shake cover to check for dust.	N/A	N/A
3. DUST FROM FINISHED PRODUCT Firmly strike product before opening.	N/A	N/A
4. DUST DURING NETFILL Shake empty shell.	N/A	N/A
Laboratory		
5. DUST EVALUATION Check for dust using official IDFL method 21.	4	N/A
5. No Dust 4. Low Dust 3. Moderate Dust 2. High Dust		1. Very High Dust
Conclusion		
6. SOURCE OF DUST Dust comes from packaging, fabric, or filling material.	Filling Material	N/A
7. MICROSCOPIC EVALUATION Pictures.		

Microscopic Pictures

The picture below represents the type of dust particles found in the sample. It does not represent the quantity of dust



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Odor IDFL 30 2018

CHECK-IN

1. ODOR UPON ARRIVAL : Odor upon opening of shipping box	Normal
2. INITIAL ODOR of SAMPLE : Odor of sample after removal from shipping box and any packaging material (such as plastic, etc.)	Normal
3. LATER ODOR of SAMPLE : (24 hours after removal from packaging)	N/A
4. ODOR of PACKAGING : (Any odor that might exist in packaging)	Normal

OPENING ROOM

5. INITIAL ODOR - FILL MATERIAL : Odor of fill material immediately after cutting open samples	Normal
6. LATER ODOR - FILL MATERIAL : Odor after leaving fill material in a screened box for 24 hours	N/A

LAB TEST

7. ACTUAL LAB TEST : (1-5 'Nose' Lab Test)	4
8. OTHER COMMENTS :	N/A
9. CONCLUSION :	N/A

Rating Scale

1	Very Bad
2	Bad/Strange
3	Borderline
4	Normal Odor
5	Above

Bioburden EN 1884 1998

Mesophil Aerobic Bacteria Count (CFU/g)	2.0x 10 ³
Faecal Streptococli Count (CFU/g)	0.0x 10 ²
Sulphite Reducing Clostridium Count (CFU/g)	0.0x 10 ²
Presence of Salmonella	Not Found

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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	1.6 mg/100g	Pass
	Turbidity IDFB Part 11 2013	Turbidity	Min 300 mm	1000 mm	Pass
Fill Power Claim	Steam Fill Power IDFB Part 10-B 2015	Fill Power		450 in³/30g	-
Hypoallergenic / Super-Clean	Oxygen IDFB Part 7 2013	Oxygen	Max 4.8 mg/100g	1.6 mg/100g	Pass
	Turbidity IDFB Part 11 2013	Turbidity	Min 500 mm	1000 mm	Pass
Total Duck	Species Down & Feathers IDFB Part 12 2013	Duck (Down & Feathers)	Min 90%	100%	Pass
WATERFOWL FEATHERS & DOWN - FEATHERS 75%, DOWN 25%	Content IDFB Part 3 2013	Down Cluster	Min 25%	34.2%	Pass
		Landfowl Feathers	Max 3.7%	0.0%	Pass
		Broken and Damaged Feathers	Max 5.2%	1.6%	Pass
		Residue	Max 2%	0.3%	Pass
		Down Fiber	Max 10%	1.5%	Pass
		Feather Fiber	Max 10%	1.5%	Pass
		Quill	Max 0 %	0.0 %	Pass

Suggested Label based on USA requirements

DUCK FEATHERS AND DUCK DOWN
(75% FEATHERS, 25% DOWN)

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