

Test Report

50% gray duck down LOT: SM318US-50GDD-21001

IDFL # 21-334376

Hangzhou Starfocus E-commerce Co.,Ltd
Sat 8 May 2021

Fei Han Hangzhou Starfocus E-commerce Co.,Ltd Room 805, Building 5, no.970-1 Gaojiao Road, Yuhang district, Hangzhou China		joyce@samsungdown.com fei@samsungdown.com Normal (8-10 Days) Arrival Date: Mon 26 April 2021 Testing Dates: From Mon 26 April 2021 to Sat 8 May 2021 Report Date: Sat 8 May 2021	
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Sample Type: Plumage
Shipped By: Fei Ji 1108626814844
Sample Identification: 50% gray duck down
 LOT: SM318US-50GDD-21001



¹ CMA Accredited
² CNAS Accredited
 Tested according to IDFB 2020

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Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2020	Down Clusters	55.1%	50.0%
	Residue	0.7%	Max 0.7%
Species Down & Feathers IDFB Part 12 2020	Total Goose	0%	
	Total Duck	100%	
Steam Fill Power IDFB Part 10-B 2020	Final Fill Power Volume	550 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	1.2%	
Moisture IDFB Part 5 2013	Moisture Content	10.4%	
Dust IDFL 21	Dust Evaluation	4	
Odor IDFL 30 2018	Actual Lab Test	4	

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Content IDFB Part 3 2020²

Down Clusters	55.1%
Down Fibers	4.9%
Waterfowl Feather Fibers	3.9%
Waterfowl Feathers	33.0%
Broken and Damaged Waterfowl Feathers	1.1%
Quill	0.0%
Landfowl	1.3%
Residue	0.7%
Total	100.0%

Species Down & Feathers IDFB Part 12 2020²

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 2020²

Volume	550 in ³ /30g
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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	1.15 NTU

Fat and Oil IDFB Part 4 2013

Fat and Oil	1.2%
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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	10.4%
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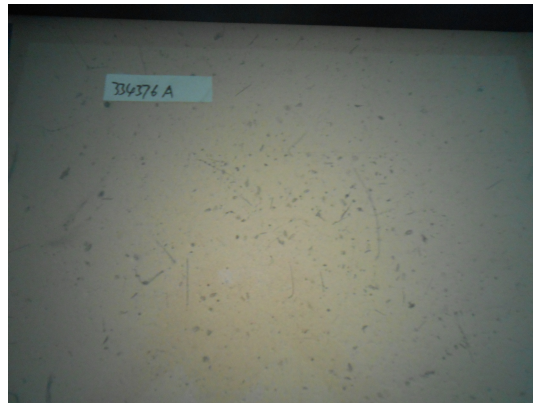
Hangzhou Starfocus E-commerce Co.,Ltd
Sat 8 May 2021

Dust IDFL 21

Description	Evaluation	Comments
Check-In		
1. DUST UPON ARRIVAL	Low Dust	N/A
Opening Room		
2. DUST BETWEEN COVER AND SHELL (PILLOWS)	N/A	N/A
3. DUST FROM FINISHED PRODUCT	N/A	N/A
4. DUST DURING NETFILL	N/A	N/A
Laboratory		
5. DUST EVALUATION	4	N/A
5. No Dust 4. Low Dust 3. Moderate Dust 2. High Dust		1. Very High Dust
Conclusion		
6. SOURCE OF DUST	Filling Material	N/A

Microscopic Pictures

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



Odor IDFL 30 2018

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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)	1.3x 10 ⁵
Faecal Streptococli Count (CFU/g)	0.0x 10 ²
Sulphite Reducing Clostridium Count (CFU/g)	0.0x 10 ²
Presence of Salmonella	No

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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
DOWN & WATERFOWL FEATHERS - DOWN 50%, FEATHERS 50%	Content IDFB Part 3 2020	Down Cluster	Min 50%	55.1%	Pass
		Landfowl Feathers	Max 2.5%	1.3%	Pass
		Broken and Damaged Feathers	Max 3.5%	1.1%	Pass
		Residue	Max 2%	0.7%	Pass
		Down Fiber	Max 10%	4.9%	Pass
		Feather Fiber	Max 10%	3.9%	Pass
Quill	Max 0 %	0.0 %	Pass		
Fill Power Claim	Steam Fill Power IDFB Part 10-B 2020	Fill Power		550 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 2020	Duck (Down & Feathers)	Min 90%	100%	Pass

Suggested Label based on USA requirements

DUCK DOWN AND DUCK FEATHERS
(50% DOWN, 50% FEATHERS)

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