

Test Report

SM314 90% Washed White Duck Down

IDFL # 22-386809

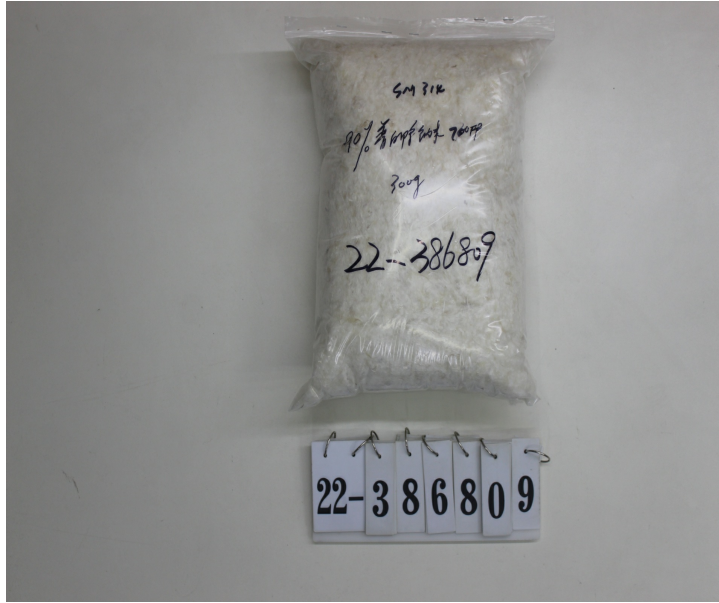
Zhejiang Samsung Down Co., Ltd.
26 Jan 2022

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Normal (8-10 Days)
Arrival Date: 14 Jan 2022
Testing Dates: From 14 Jan 2022
to 26 Jan 2022
Report Date: 26 Jan 2022

Sample Type: Plumage
Shipped By: SF 1135568312671
Sample Identification: SM314 90% Washed White Duck Down (Texcote Nano DWR),
BRAND NAME: RUDSAK



¹ CNAS Accredited

Tested according to IDFB 2020

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Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2013 (Modified for Canada)	Down Clusters	92.3%	67.5%
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	855 in ³ /30g	700 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	0.9%	-
Moisture IDFB Part 5 2013	Moisture Content	9.5%	-
Odor Evaluation IDFL 30 2018	Actual Lab Test	4	-

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IDFL # 22-386809

Zhejiang Samsung Down Co., Ltd.
26 Jan 2022

Content IDFB Part 3 2013 (Modified for Canada)

Down Clusters	92.3%
Down Fibers	2.5%
Waterfowl Feather Fibers	1.7%
Waterfowl Feathers	3.5%
Waterfowl Feathers > 6 cm	0.0%
Broken and Damaged Waterfowl Feathers	0.0%
Quill	0.0%
Landfowl	0.0%
Residue	0.0%
Total	100.0%

Result(s) Used for Evaluation

Waterfowl Feather Fibers and Down Fibers	4.2%
Waterfowl Feather Fibers (1.7%)	
+ Down Fibers (2.5%)	
Waterfowl Feathers & Fibers and Down Clusters & Fibers	100.0%
Waterfowl Feathers (3.5%)	
+ Waterfowl Feathers > 6 cm (0.0%)	
+ Broken and Damaged Waterfowl Feathers (0.0%)	
+ Waterfowl Feather Fibers (1.7%)	
+ Down Clusters (92.3%)	
+ Down Fibers (2.5%)	
Residue and Landfowl	0.0%
Residue (0.0%)	
+ Landfowl (0.0%)	

Species Down & Feathers IDFB Part 12 2020¹

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 2020¹

Volume	855 in ³ /30g
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Oxygen IDFB Part 7 2013¹

Oxygen	1.6 mg/100g
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Turbidity IDFB Part 11 2013¹

Turbidity Glass Tube	1000 mm
Turbidity NTU	0.20 NTU

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IDFL # 22-386809

Zhejiang Samsung Down Co., Ltd.
26 Jan 2022

Fat and Oil IDFB Part 4 2013

Fat and Oil **0.9%**

Tested by the following locations:

CIQ - Down & Feather Testing Lab Xiaoshan Zhejiang Imp. & Exp. Comm Insp CMA Certificate No. : 170011122252

Moisture IDFB Part 5 2013¹

Moisture Content **9.5%**

Odor Evaluation 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

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Canada - Guide to the Labeling of Down & Waterfowl Feathers Gov. of Canada-2000

Evaluation Component	Test	Test Component	Requirement	Result	Finding
90% Down / 10% Waterfowl Feather	Content IDFB Part 3 2013 (Modified for Canada)	Waterfowl Feathers	Max 32.5%	3.5%	Pass
		Residue and Landfowl	Max 5%	0.0%	Pass
		Down Clusters	Min 67.5%	92.3%	Pass
		Total Waterfowl Feather Fibers and Down Fibers	Max 28%	4.2%	Pass
		Large Waterfowl Feathers	Max 10%	0.0%	Pass
Basic	Oxygen IDFB Part 7 2013	Oxygen Number	Max 10 mg/100g	1.6 mg/100g	Pass
	Turbidity IDFB Part 11 2013	Turbidity	Min 300 mm	1000 mm	Pass
Duck Total	Species Down & Feathers IDFB Part 12 2020	Total Duck	Min 90%	100%	Pass
Fill Power Claim	Steam Fill Power IDFB Part 10-B 2020	Fill Power	Min 700.0 in ³ /30g -5%	855 in³/30g	Pass
Hypoallergenic / Super-Clean	Oxygen IDFB Part 7 2013	Oxygen Number	Max 4.8 mg/100g	1.6 mg/100g	Pass
	Turbidity IDFB Part 11 2013	Turbidity	Min 500 mm	1000 mm	Pass

Suggested Label based on Gov. of Canada-2000 requirements

90% Duck Down
10% Duck Feathers

End of Report

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DWR Test Report

Zhejiang Samsung Down Co., Ltd.

Michael Mao

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Sample Info – Treated

IDFL #: 22-386809

SM314 90% Washed White Duck
Sample ID: Down (Texcote Nano DWR),
BRAND NAME: RUDSAK

Date: 26-Jan-2022

Approved By:

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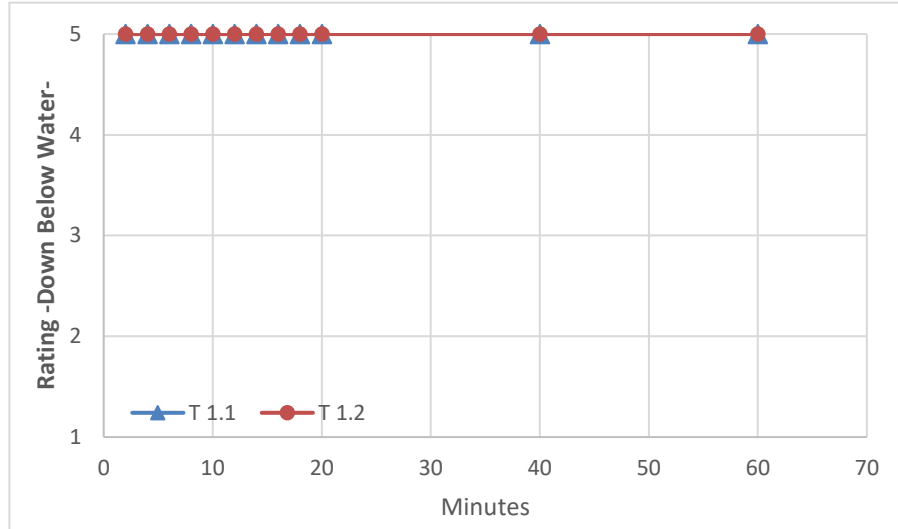
Michael Mao

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IDFB 18-A

Hydrophobic Shake Test

Measurement Interval - 2 Minutes



5 Down Completely Above Water
 1 Down Completely Under Water

Minutes	T 1.1	T 1.2
2	5	5
4	5	5
6	5	5
8	5	5
10	5	5
12	5	5
14	5	5
16	5	5
18	5	5
20	5	5
40	5	5
60	5	5
	-	-
	-	-
	-	-

Treated material remains at a rating of 5 after an average of: 60 minutes

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DWR Test Report

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IDFB 18-A (Picture References)
Hydrophobic Shake Test
Measured Time Interval – 2 Minutes



Rating 5



Rating 5

IDFB 18-A
Hydrophobic Shake Test
Measured Time Interval – 2 Minutes



Rating 5



Rating 5

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