



**COSTCO WHOLESALE**  
**COMPLIANCE, QUALITY and**  
**PERFORMANCE TEST**  
**PROTOCOL SL-2307**  
**SOFTLINES APPAREL**


**IDFL #: 21-330835**

Date: 31-Mar-2021

**EVALUATION REPORT - Market: Canada**

DOWN AND FEATHER TESTING						
Test Property	Test Method	Based on expected Down label: 90%		Results	Rating	
Content Analysis	IDFB 3	Down Cluster	Min 67.5%		90.5%	Pass
		Down Fibre			3.5%	
		Feather Fibre			2.0%	
		Total Fibre	Max 28.0%		5.5%	Pass
		Waterfowl Feathers ≤ 60 mm	Max 32.5%		3.6%	Pass
		Waterfowl Feathers > 60 mm	Max 10.0%		0.0%	Pass
		Broken / Damaged Feathers			0.1%	
		Quill			0.0%	
		Landfowl			0.2%	
		Residue			0.1%	
		Landfowl and Residue	Max 5.0%		0.3%	Pass
TOTAL				100.0%		
Species Identification	IDFB 12	Goose Down			0%	
		Duck Down			100%	
		Goose Feathers			0%	
		Duck Feathers			100%	
TOTAL GOOSE		Claim: DUCK	Min 90% Duck	0%	Pass	
TOTAL DUCK				100%		
Color White	IDFB 16	Claim: White	Max Dark 1.0%		0.06%	Pass
Fill Power	IDFB 10B	(in <sup>3</sup> / 30g)	Max -5% of 700		800	Pass
Turbidity	IDFB 11	(Others, JP, TW, KOR, AUS)	Min 500		1000	Pass
Oxygen Number	IDFB 7	(Others, TW, KOR, AUS)	Min 4.8		1.6	Pass
Penetration resistance of cloth-Tumbling method	IDFL 20-1 (Fabric) IDFL 20-2 (Bedding) IDFL 20-3 (Garments) IDFL 20-4 (Channeled Fabric)	Before Laundering	Min 4		N/A	N/A
		After 1x Laundering	Min 4		N/A	N/A
Net Fill Weight	IDFB 17	Expected Fill Weight (g) N/A	Min N/A		N/A	N/A
IDFL Labeling Suggestion for Canadian Market:		90% white duck down 10% white duck feathers				

Comments:

  
Approved by

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## Test Report

Sample ID-Treated Material SM314 90%  
Washed White Duck Down(Texcote  
Nano DWR)

**IDFL # 21-330835**

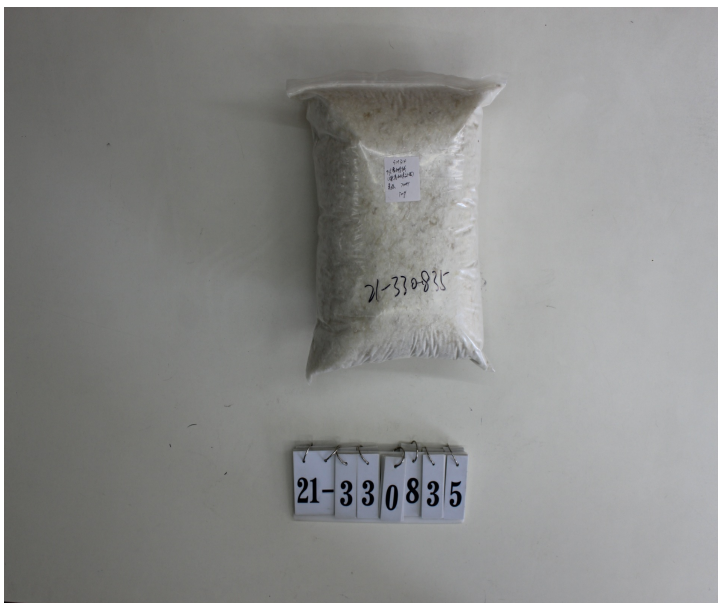
Zhejiang Samsung Down Co., Ltd  
Wed 31 March 2021

**Michael Mao**  
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Hangzhou, Zhejiang 311201  
China

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**Arrival Date:** Normal (8-10 Days)  
Mon 22 March 2021  
**Testing Dates:** From Mon 22 March  
2021  
to Wed 31 March 2021  
**Report Date:** Wed 31 March 2021

**Sample Type:** Plumage  
**Shipped By:** SF 1108520867705  
**Sample Identification:** Sample ID-Treated Material  
SM314 90% Washed White Duck Down(Texcote Nano DWR),  
BRAND NAME:RUDSAK  
STYLE NO.: COSTCO 4117501



<sup>1</sup> CNAS Accredited

<sup>2</sup> CMA Accredited

Tested according to IDFB 2020

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Sample 1 of 6



## Test Report

Sample ID-Treated Material SM314 90%  
Washed White Duck Down(Texcote  
Nano DWR)

IDFL # 21-330835

Zhejiang Samsung Down Co., Ltd  
Wed 31 March 2021

### Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2013 (Modified for Canada)	Down Clusters	90.5%	67.5%
Species Down & Feathers IDFB Part 12 2020	Total Goose	0%	
	Total Duck	100%	
Color Separation IDFB Part 16 2013	Dark Percentage	0.06%	
Steam Fill Power IDFB Part 10-B 2020	Final Fill Power Volume	800 in <sup>3</sup> /30g	700 in <sup>3</sup> /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	0.8%	
Odor IDFL 30 2018	Actual Lab Test	4	

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Washed White Duck Down(Texcote  
Nano DWR)

IDFL # 21-330835

Zhejiang Samsung Down Co., Ltd  
Wed 31 March 2021

### Content IDFB Part 3 2013 (Modified for Canada)

Down Clusters	90.5%
Down Fibers	3.5%
Waterfowl Feather Fibers	2.0%
Waterfowl Feathers	3.6%
Waterfowl Feathers > 6 cm	0.0%
Broken and Damaged Waterfowl Feathers	0.1%
Quill	0.0%
Landfowl	0.2%
Residue	0.1%
Total	100.0%

### Result(s) Used for Evaluation

<b>Waterfowl Feather Fibers and Down Fibers</b>	<b>5.5%</b>
Waterfowl Feather Fibers (2.0%) + Down Fibers (3.5%)	
<b>Waterfowl Feathers &amp; Fibers and Down Clusters &amp; Fibers</b>	<b>99.7%</b>
Waterfowl Feathers (3.6%) + Waterfowl Feathers > 6 cm (0.0%) + Broken and Damaged Waterfowl Feathers (0.1%) + Waterfowl Feather Fibers (2.0%) + Down Clusters (90.5%) + Down Fibers (3.5%)	
<b>Residue and Landfowl</b>	<b>0.3%</b>
Residue (0.1%) + Landfowl (0.2%)	

### Species Down & Feathers IDFB Part 12 2020<sup>1</sup>

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

### Color Separation IDFB Part 16 2013<sup>2, 1</sup>

White Percentage	99.94%
Dark Percentage	0.06%
Total	100.00%

### Steam Fill Power IDFB Part 10-B 2020<sup>1</sup>

Volume	800 in <sup>3</sup> /30g
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### Oxygen IDFB Part 7 2013<sup>2, 1</sup>

Oxygen	1.6 mg/100g
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IDFL # 21-330835

Zhejiang Samsung Down Co., Ltd  
Wed 31 March 2021

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

Turbidity Glass Tube 1000 mm

Turbidity NTU 0.47 NTU

### Fat and Oil IDFB Part 4 2013

Fat and Oil 0.8%

#### Tested by the following locations:

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

### 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

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Sample 1 of 6



# DWR Test Report

Zhejiang Samsung Down Co., Ltd  
Michael Mao  
michael@samsungdown.com



## Sample Info – Treated

IDFL #: 21-330835

Sample ID-Treated Material  
SM314 90% Washed White Duck  
Sample ID: Down(Texcote Nano DWR),  
BRAND NAME:RUDSAK  
STYLE NO.: COSTCO 4117501

Date: 31-Mar-2021

Approved By:

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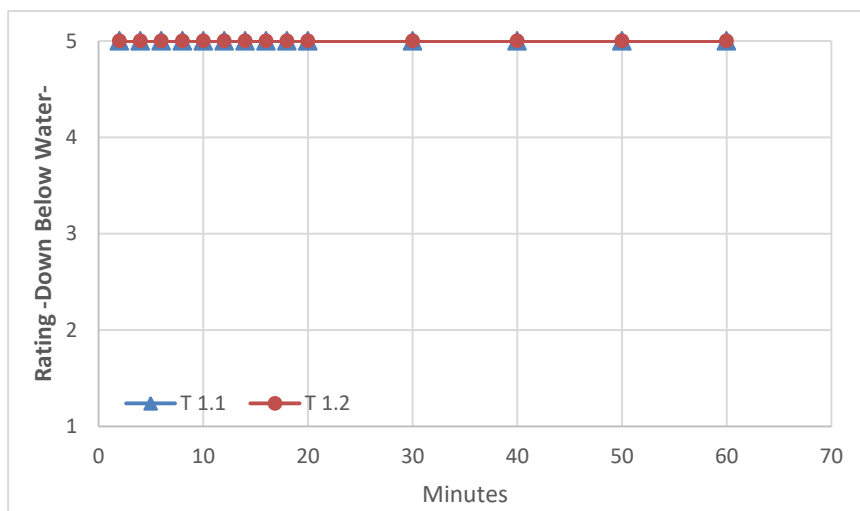


# DWR Test Report

Zhejiang Samsung Down Co., Ltd  
Michael Mao  
michael@samsungdown.com

## 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
30	5	5
40	5	5
50	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

Zhejiang Samsung Down Co., Ltd  
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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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