



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

**IDFL #: 21-330836**

Date: 31-Mar-2021

**EVALUATION REPORT - Market: Canada**

DOWN AND FEATHER TESTING					
Test Property	Test Method	Based on expected Down label: <b>90%</b>		Results	Rating
Content Analysis	IDFB 3	Down Cluster	Min 67.5%	90.6%	Pass
		Down Fibre		3.2%	
		Feather Fibre		1.9%	
		Total Fibre	Max 28.0%	5.1%	Pass
		Waterfowl Feathers ≤ 60 mm	Max 32.5%	4.0%	Pass
		Waterfowl Feathers > 60 mm	Max 10.0%	0.0%	Pass
		Broken / Damaged Feathers		0.1%	
		Quill		0.0%	
		Landfowl		0.1%	
		Residue		0.1%	
		Landfowl and Residue	Max 5.0%	0.2%	Pass
<b>TOTAL</b>				<b>100.0%</b>	
Species Identification	IDFB 12	Goose Down		0%	
		Duck Down		100%	
		Goose Feathers		0%	
		Duck Feathers		100%	
		<b>TOTAL GOOSE</b>	Claim: DUCK	Min 90%	Pass
		<b>TOTAL DUCK</b>		Duck	
				<b>0%</b>	
				<b>100%</b>	
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 800	810	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 SM314S  
90% Washed White Duck Down(Texcote  
Nano DWR)

**IDFL # 21-330836**

Zhejiang Samsung Down Co., Ltd  
Wed 31 March 2021

**Michael Mao**  
Zhejiang Samsung Down Co., Ltd  
No.288, Xiaoshao East Road,  
Xintang Street, Xiaoshan District,  
Hangzhou, Zhejiang 311201  
China

michael@samsungdown.com  
cyrel@samsungdown.com

Normal (8-10 Days)  
**Arrival Date:** 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  
SM314S 90% Washed White Duck Down(Texcote Nano DWR)  
BRAND NAME:RUDSAK



<sup>1</sup> CNAS Accredited

<sup>2</sup> CMA Accredited

Tested according to IDFB 2020

This analysis represents (within normal testing variances) the test results from the sample(s) submitted. The analysis may not represent the entire lot, batch or production run. In no event shall IDFL be responsible or liable for any direct, indirect, punitive, incidental, special, or consequential damages whatsoever arising out of or connected with the use of, misuse of, or reliance upon such results or analysis. This test report is subject to the Terms and Conditions found at [www.idfl.com](http://www.idfl.com).



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Sample 2 of 6



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90% Washed White Duck Down(Texcote  
Nano DWR)

**IDFL # 21-330836**

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	90.6%	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	810 in <sup>3</sup> /30g	800 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	0.7%	
Odor IDFL 30 2018	Actual Lab Test	4	

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IDFL # 21-330836

Zhejiang Samsung Down Co., Ltd  
Wed 31 March 2021

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

Down Clusters	90.6%
Down Fibers	3.2%
Waterfowl Feather Fibers	1.9%
Waterfowl Feathers	4.0%
Waterfowl Feathers > 6 cm	0.0%
Broken and Damaged Waterfowl Feathers	0.1%
Quill	0.0%
Landfowl	0.1%
Residue	0.1%
Total	100.0%

## Result(s) Used for Evaluation

<b>Waterfowl Feather Fibers and Down Fibers</b>	<b>5.1%</b>
Waterfowl Feather Fibers (1.9%) + Down Fibers (3.2%)	
<b>Waterfowl Feathers &amp; Fibers and Down Clusters &amp; Fibers</b>	<b>99.8%</b>
Waterfowl Feathers (4.0%) + Waterfowl Feathers > 6 cm (0.0%) + Broken and Damaged Waterfowl Feathers (0.1%) + Waterfowl Feather Fibers (1.9%) + Down Clusters (90.6%) + Down Fibers (3.2%)	
<b>Residue and Landfowl</b>	<b>0.2%</b>
Residue (0.1%) + Landfowl (0.1%)	

## 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	810 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 # 21-330836**

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 **0.41 NTU**

### Fat and Oil IDFB Part 4 2013

Fat and Oil **0.7%**

#### Tested by the following locations:

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

### Odor IDFL 30 2018

#### CHECK-IN

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

#### OPENING ROOM

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

#### LAB TEST

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

#### Rating Scale

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

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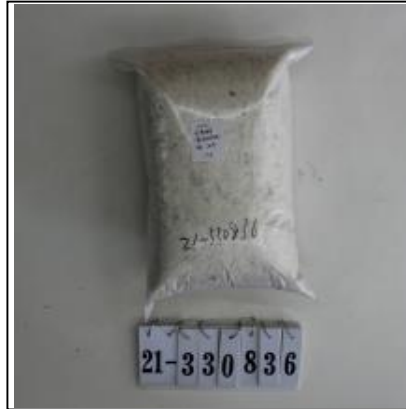
XS

Sample 2 of 6



# DWR Test Report

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



## Sample Info – Treated

IDFL #: 21-330836

Sample ID: Sample ID-Treated Material  
SM314S 90% Washed White Duck  
Down(Texcote Nano DWR)  
BRAND NAME:RUDDSAK

Date: 31-Mar-2021

Approved By:

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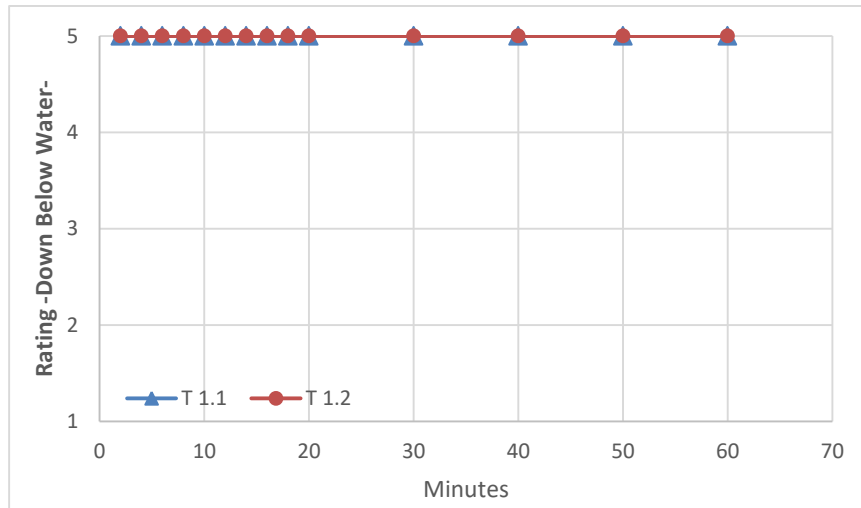
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## IDFB 18-A

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
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**



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

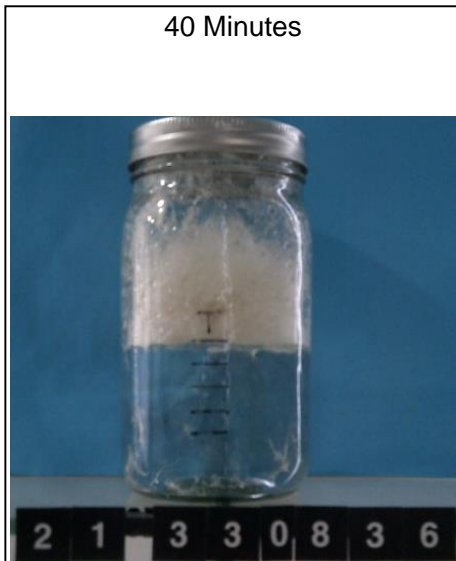


Rating 5



Rating 5

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



Rating 5



Rating 5