



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

IDFL #: 21-330837

Date: 6-Apr-2021

EVALUATION REPORT - Market: Canada

DOWN AND FEATHER TESTING					
Test Property	Test Method	Based on expected Down label: 80%		Results	Rating
Content Analysis	IDFB 3	Down Cluster	Min 60.0%	80.0%	Pass
		Down Fibre		4.8%	
		Feather Fibre		3.7%	
		Total Fibre	Max 36.0%	8.5%	
		Waterfowl Feathers ≤ 60 mm	Max 40.0%	10.8%	Pass
		Waterfowl Feathers > 60 mm	Max 20.0%	0.0%	Pass
		Broken / Damaged Feathers		0.3%	
		Quill		0.0%	
		Landfowl		0.1%	
		Residue		0.3%	
Landfowl and Residue	Max 5.0%	0.4%	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%	0.17%	Pass
Fill Power	IDFB 10B	(in ³ / 30g)	Max -5% of 600	700	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:	80% white duck down 20% white duck feathers
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Comments:

Approved by

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Final Test Report

Sample ID-Treated Material SM315 80%
Washed White Duck Down (Texcote
Nano DWR)

IDFL # 21-330837

Zhejiang Samsung Down Co., Ltd
Tue 6 April 2021

Michael Mao
Zhejiang Samsung Down Co., Ltd
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China

michael@samsungdown.com
cyrel@samsungdown.com
3-Day

Arrival Date: Mon 22 March 2021
Testing Dates: From Mon 22 March
2021
to Tue 6 April 2021
Report Date: Wed 31 March 2021
Content Retest Report Date: Tue 6 April 2021

Sample Type: Plumage
Shipped By: SF 1108520867705
Sample Identification: Sample ID-Treated Material
SM315 80% Washed White Duck Down (Texcote Nano DWR),
BRAND NAME:RUDSAK
STYLE NO.: COSTCO 4120501/4120502



¹ CNAS Accredited

² 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.

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Sample 3 of 6



Final Test Report

Sample ID-Treated Material SM315 80%
Washed White Duck Down (Texcote
Nano DWR)

IDFL # 21-330837

Zhejiang Samsung Down Co., Ltd
Tue 6 April 2021

Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2013 (Modified for Canada)	Down Clusters	80.0%	60.0%
Species Down & Feathers IDFB Part 12 2020	Total Goose	0%	
	Total Duck	100%	
Color Separation IDFB Part 16 2013	Dark Percentage	0.17%	
Steam Fill Power IDFB Part 10-B 2020	Final Fill Power Volume	700 in ³ /30g	600 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%	
Odor IDFL 30 2018	Actual Lab Test	4	

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IDFL # 21-330837

Zhejiang Samsung Down Co., Ltd
Tue 6 April 2021

Content IDFB Part 3 2013 (Modified for Canada)

Down Clusters	80.0%
Down Fibers	4.8%
Waterfowl Feather Fibers	3.7%
Waterfowl Feathers	10.8%
Waterfowl Feathers > 6 cm	0.0%
Broken and Damaged Waterfowl Feathers	0.3%
Quill	0.0%
Landfowl	0.1%
Residue	0.3%
Total	100.0%

Result(s) Used for Evaluation

Waterfowl Feather Fibers and Down Fibers	8.5%
Waterfowl Feather Fibers (3.7%) + Down Fibers (4.8%)	
Waterfowl Feathers & Fibers and Down Clusters & Fibers	99.6%
Waterfowl Feathers (10.8%) + Waterfowl Feathers > 6 cm (0.0%) + Broken and Damaged Waterfowl Feathers (0.3%) + Waterfowl Feather Fibers (3.7%) + Down Clusters (80.0%) + Down Fibers (4.8%)	
Residue and Landfowl	0.4%
Residue (0.3%) + Landfowl (0.1%)	

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%

Color Separation IDFB Part 16 2013^{2, 1}

White Percentage	99.83%
Dark Percentage	0.17%
Total	100.00%

Steam Fill Power IDFB Part 10-B 2020¹

Volume	700 in ³ /30g
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Oxygen IDFB Part 7 2013^{2, 1}

Oxygen	1.6 mg/100g
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Tue 6 April 2021

Turbidity IDFB Part 11 2013^{2, 1}

Turbidity Glass Tube 1000 mm

Turbidity NTU 0.23 NTU

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

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 3 of 6



DWR Test Report

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Sample Info – Treated

IDFL #: 21-330837

Sample ID-Treated Material
SM315 80% Washed White Duck Down
Sample ID: (Texcote Nano DWR),
BRAND NAME:RUDSAK
STYLE NO.: COSTCO 4120501/4120502

Date: 31-Mar-2021

Approved By:
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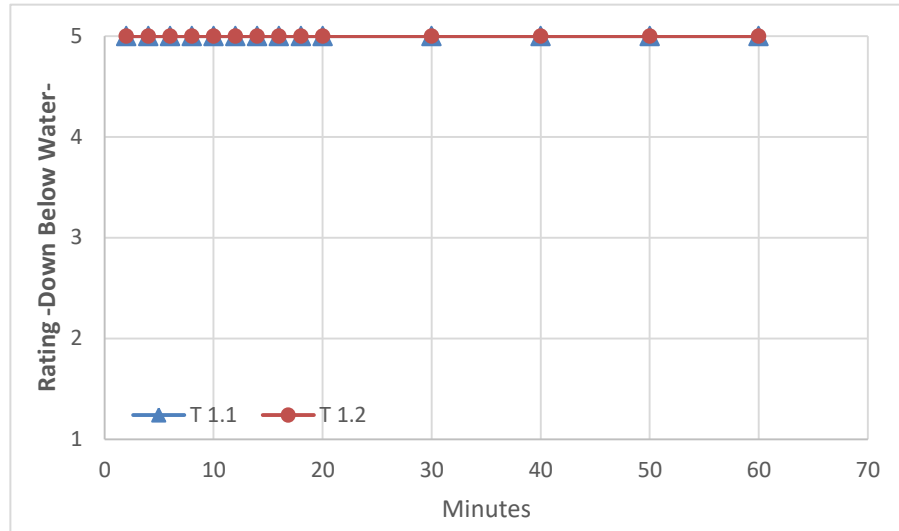
DWR Test Report

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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

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DWR Test Report

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

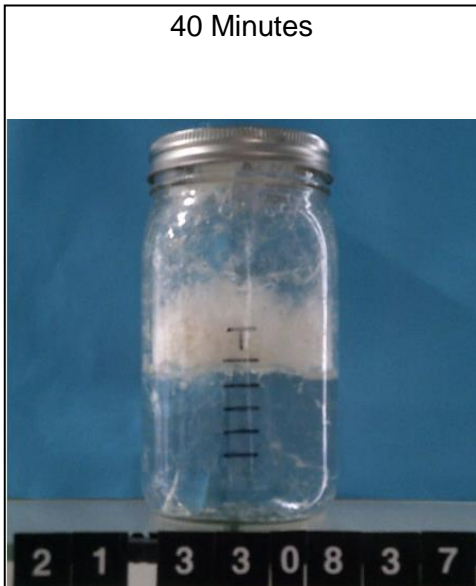


Rating 5

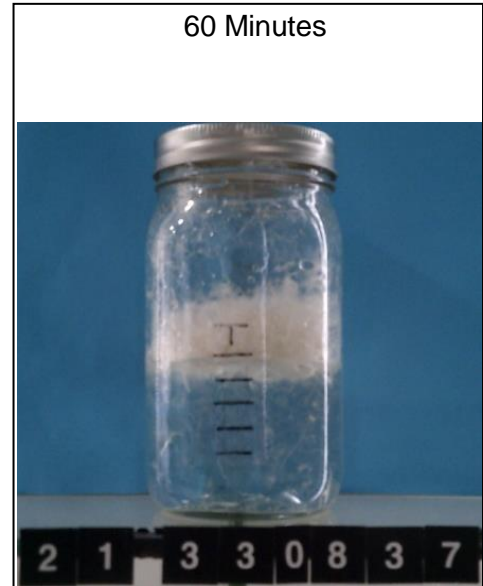


Rating 5

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



Rating 5



Rating 5

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