



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

IDFL #: 20-306349

Date: 9-Apr-2020

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%	90.0%	Pass
		Down Fibre		4.9%	
		Feather Fibre		1.9%	
		Total Fibre	Max 28.0%	6.8%	Pass
		Waterfowl Feathers ≤ 60 mm	Max 32.5%	3.0%	Pass
		Waterfowl Feathers > 60 mm	Max 10.0%	0.0%	Pass
		Broken / Damaged Feathers		0.1%	
		Quill		0.0%	
		Landfowl		0.1%	
		Residue		0.0%	
		Landfowl and Residue	Max 5.0%	0.1%	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%	
		TOTAL DUCK		Duck	Pass
				0%	
				100%	
Color White	IDFB 16	Claim: White	Max Dark 1.0%	0.04%	Pass
Fill Power	IDFB 10B	(in ³ / 30g)	Max -5% of 700	750	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:		Provincial Label: Duck Down Federal Label: Duck Down OR: 90% duck down, 10% duck feathers			

Comments:

Approved by

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IDFL USA
1455 South 1100 East
Salt Lake City, UT 84105 USA
Tel: +1 801 467 7611
info@idfl.com

IDFL EUROPE
Zürcherstrasse 282
8500 Frauenfeld SWITZERLAND
Tel: +41 52 765 1574
europe@idfl.com

IDFL CHINA
Tonghu Mid-Road 688, Jinlu Yinzuo
Building 1 Floor 5 Hangzhou, Zhejiang 311208 CHINA
Tel: +86 571 8273 6561
china@idfl.com

IDFL TAIWAN
3F/4F., No. 163, Sec. 2, Wenhua Rd.
Banqiao, New Taipei City 22047 TAIWAN
Tel: +886 2 2259 1178
taiwan@idfl.com

Test Report

Costco Apparel (CAN) SM314 90%
Washed White Duck Down (Texcote
Nano DWR)

IDFL # 20-306349

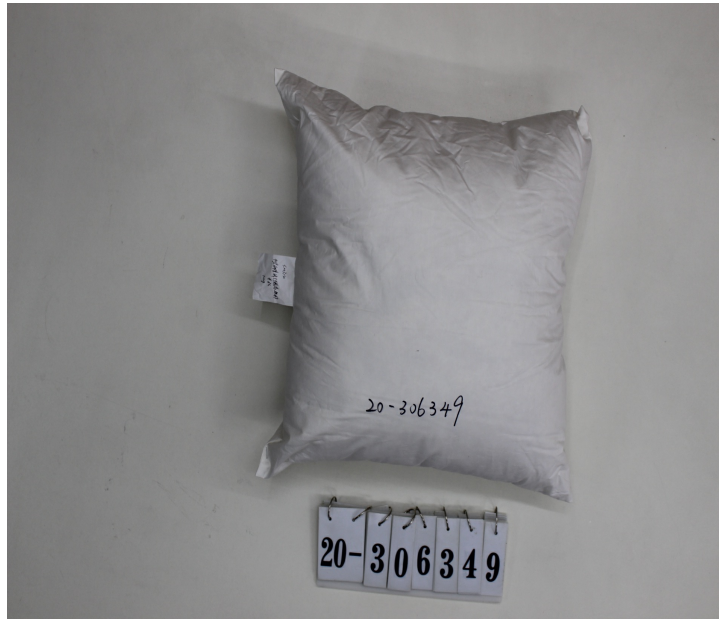
Zhejiang Samsung Down Co., Ltd
Thu 9 April 2020

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
3-Day

Arrival Date: Fri 3 April 2020
Report Date: Thu 9 April 2020

Sample Type: Plumage
Shipped By: SF 1088351409717
Sample Identification: Costco Apparel (CAN)
SM314 90% Washed White Duck Down (Texcote Nano DWR)
BRAND NAME: RUDSAK
STYLE NO.: COSTCO 4119500/ 4117501



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² CMA Accredited

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IDFL LABORATORY AND INSTITUTE

IDFL SALT LAKE
1455 South 1100 East
Salt Lake City, UT 84105
USA
+1 801 467 7611
info@idfl.com

IDFL EUROPE AG
Zürcherstrasse 282
CH-8500 Frauenfeld
Switzerland
+41 52 765 1574
europe@idfl.com

IDFL CHINA
Tonghui Mid-Road 688, Xiaoshan
Hangzhou Zhejiang 311200
China
+86 571 8273 6561
china@idfl.com

IDFL TAIPEI
2F., No. 163 Sec. 2, Wenhua Rd.
Banqiao District, New Taipei City
Taiwan
+886 2 2259 1178
taiwan@idfl.com

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Test Report

Costco Apparel (CAN) SM314 90%
Washed White Duck Down (Texcote
Nano DWR)

IDFL # 20-306349

Zhejiang Samsung Down Co., Ltd
Thu 9 April 2020

Test Orders Summary

Test	Test Component	Result	Expected Value
Content (Modified for Canada Evaluation) IDFB Part 3 2013	Down Clusters	90.0%	67.5%
Species Down & Feathers IDFB Part 12 2013	Total Goose	0%	
	Total Duck	100%	
Color Separation IDFB Part 16 2013	Dark Percentage	0.04%	
Steam Fill Power IDFB Part 10-B 2015	Final Fill Power Volume	750 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	0.7%	
Moisture IDFB Part 5 2013	Moisture Content	10.5%	
Odor IDFL 30 2018	Actual Lab Test	4	

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IDFL SALT LAKE
1455 South 1100 East
Salt Lake City, UT 84105
USA
+1 801 467 7611
info@idfl.com

IDFL EUROPE AG
Zürcherstrasse 282
CH-8500 Frauenfeld
Switzerland
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europe@idfl.com

IDFL CHINA
Tonghui Mid-Road 688, Xiaoshan
Hangzhou Zhejiang 311200
China
+86 571 8273 6561
china@idfl.com

IDFL TAIPEI
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Banqiao District, New Taipei City
Taiwan
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IDFL # 20-306349

Zhejiang Samsung Down Co., Ltd
Thu 9 April 2020

Content (Modified for Canada Evaluation) IDFB Part 3 2013

Down Clusters	90.0%
Down Fibers	4.9%
Waterfowl Feather Fibers	1.9%
Waterfowl Feathers	3.0%
Waterfowl Feathers > 6 cm	0.0%
Broken and Damaged Waterfowl Feathers	0.1%
Quill	0.0%
Landfowl	0.1%
Residue	0.0%
Total	100.0%

Result(s) Used for Evaluation

Waterfowl Feather Fibers and Down Fibers	6.8%
Waterfowl Feather Fibers (1.9%)	
+ Down Fibers (4.9%)	
Waterfowl Feathers & Fibers and Down Clusters & Fibers	99.9%
Waterfowl Feathers (3.0%)	
+ Waterfowl Feathers > 6 cm (0.0%)	
+ Broken and Damaged Waterfowl Feathers (0.1%)	
+ Waterfowl Feather Fibers (1.9%)	
+ Down Clusters (90.0%)	
+ Down Fibers (4.9%)	
Residue and Landfowl	0.1%
Residue (0.0%)	
+ Landfowl (0.1%)	

Species Down & Feathers IDFB Part 12 2013^{1, 2}

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

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IDFL SALT LAKE
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USA
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IDFL EUROPE AG
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CH-8500 Frauenfeld
Switzerland
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IDFL CHINA
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China
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Zhejiang Samsung Down Co., Ltd
Thu 9 April 2020

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

White Percentage	99.96%
Dark Percentage	0.04%
Total	100.00%

Steam Fill Power IDFB Part 10-B 2015^{1, 2}

Volume 750 in³/30g

Oxygen IDFB Part 7 2013^{1, 2}

Oxygen 1.6 mg/100g

Turbidity IDFB Part 11 2013^{1, 2}

Turbidity Glass Tube	1000 mm
Turbidity NTU	0.57 NTU

Fat and Oil IDFB Part 4 2013

Fat and Oil 0.7%

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IDFL SALT LAKE
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USA
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info@idfl.com

IDFL EUROPE AG
Zürcherstrasse 282
CH-8500 Frauenfeld
Switzerland
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Hangzhou Zhejiang 311200
China
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Thu 9 April 2020

Moisture IDFB Part 5 2013^{1, 2}

Moisture Content **10.5%**

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USA
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IDFL EUROPE AG
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Zhejiang Samsung Down Co., Ltd
Thu 9 April 2020

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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info@idfl.com

IDFL EUROPE AG
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Switzerland
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Tonghui Mid-Road 688, Xiaoshan
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China
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china@idfl.com

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Taiwan
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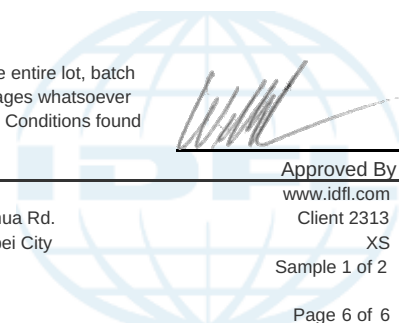
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DWR Test Report

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



Sample Info – Treated

IDFL #: 20-306349
Sample ID: Costco Apparel (CAN)
SM314 90% Washed White Duck Down (Texcote Nano DWR)
BRAND NAME: RUDSAK
STYLE NO.: COSTCO 4119500/ 4117501

Date: 9-Apr-2020

Expected Results		Test Results	
Content:	90.0%	Content:	90.0%
Species:	Duck	Species:	Duck
Fill Power:	700in ³ /30g	Fill Power:	750in ³ /30g
Fat & Oil	N/A	Fat & Oil	0.7%

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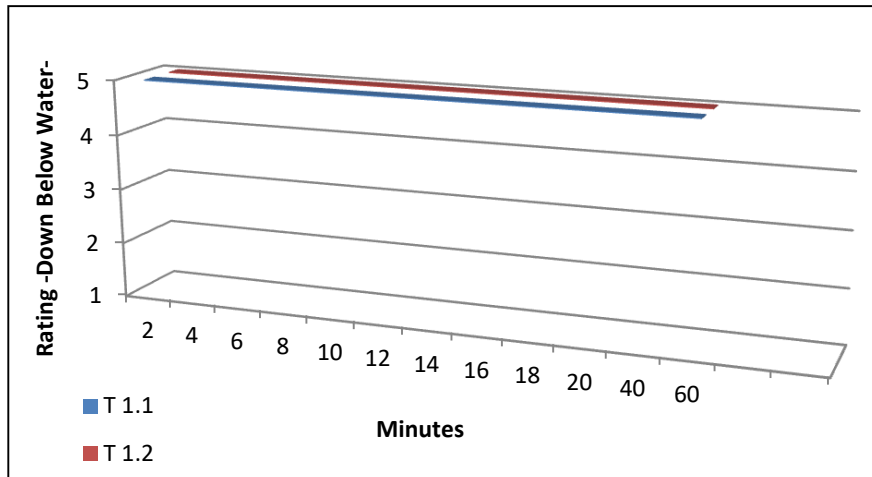


DWR Test Report

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
40	5	5
60	5	5

Treated material remains at rating 5 after: 60 minutes



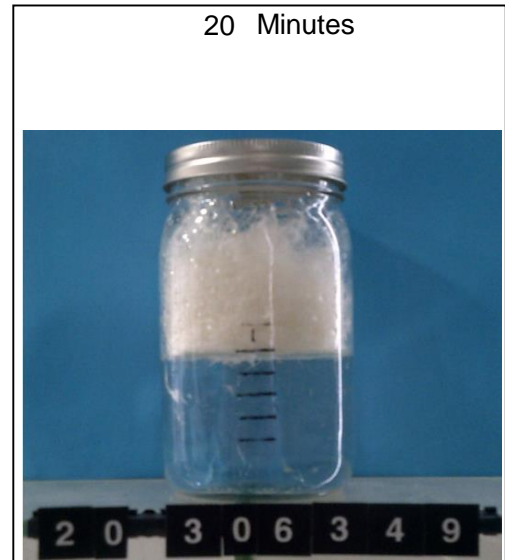
DWR Test Report

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

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



Rating: 5

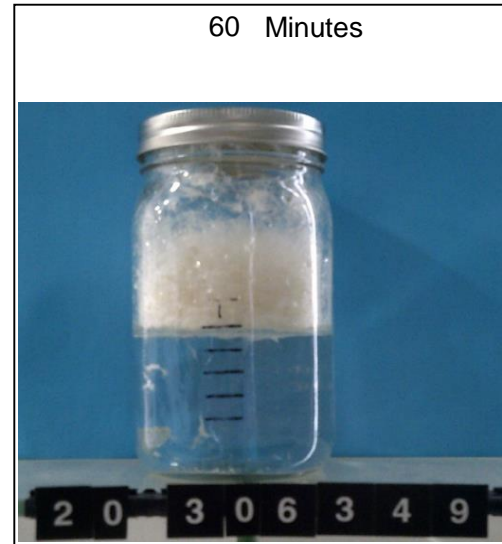


Rating: 5

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



Rating: 5



Rating: 5

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IDFL
1455 South 1100 East
Salt Lake City, UTAH 84105 USA
Tel: +1 8001 467 7611
Fax: +1 801 467 7711
info@idfl.com

IDFL EUROPE
Zürcherstrasse 282
8500 Frauenfeld SWITZERLAND
Tel: +41 52 765 1574
Fax: +41 52 770 1574
europe@idfl.com

IDFL CHINA
Tonghui Mid-Road 118, Xiaoshan
Hangzhou, Zhejiang 311208 CHINA
Tel: +86 571 8273 6561
Fax: +86 571 8389 9179
china@idfl.com

IDFL TAIPEI
3F/4F. No. 163, Sec. 2, Wenua Rd.
Banqiao, New Taipei City 22047 TAIWAN
Tel: +886 2 2259 1178
Fax: +886 2 2252 0738
taiwan@idfl.com

4/9/2020
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