

Test Report

Washed White Duck Down 75% -630FP
(190845 PO#5118)

IDFL # 19-296200

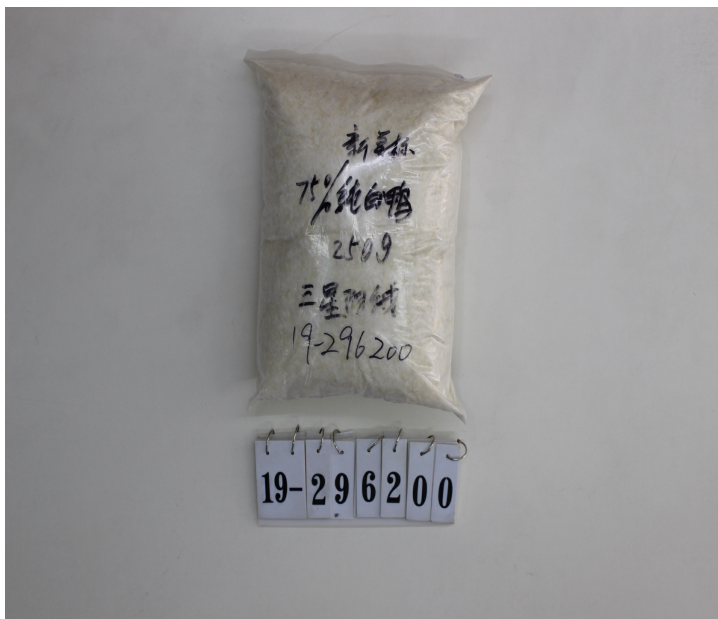
Hangzhou Samsung Down Products Co., Ltd.
Mon 30 Sept. 2019

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julia@samsungdown.com
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Normal (8-10 Days)

Arrival Date: Fri 27 Sept. 2019
Report Date: Mon 30 Sept. 2019

Sample Type: Plumage
Shipped By: STO 776000980077367
Sample Identification: Washed White Duck Down 75% -630FP
(190845 PO#5118)



¹ CNAS Accredited

² CMA Accredited

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 1 of 3



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Test Orders Summary

Test	Test Component	Result	Expected Value
Content IDFB Part 3 2013	Down Clusters	80.6%	75
Color Separation IDFB Part 16 2013	Dark Percentage	0.00%	-
Steam Fill Power IDFB Part 10-B 2015	Final Fill Power Volume	655 in ³ /30g	630
Oxygen IDFB Part 7 2013	Oxygen	1.6 mg/100g	-
Turbidity IDFB Part 11 2013	Turbidity Glass Tube	1000 mm	-

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Sample 1 of 3
Page 2 of 5



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Content IDFB Part 3 2013^{1, 2}

Down Clusters	80.6%
Down Fibers	5.9%
Waterfowl Feather Fibers	2.5%
Waterfowl Feathers	10.3%
Broken and Damaged Waterfowl Feathers	0.1%
Quill	0.0%
Landfowl	0.0%
Residue	0.6%
Total	100.0%

Color Separation IDFB Part 16 2013¹

White Percentage	100.00%
Dark Percentage	0.00%
Total	100.00%

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

Volume	655 in ³ /30g
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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 **0.99 NTU**

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Page 4 of 5



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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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