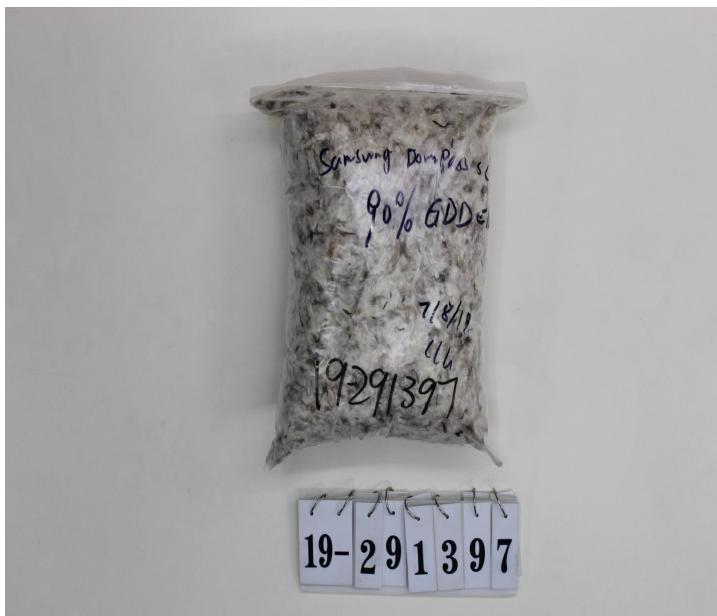


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Normal (8-10 Days)

Arrival Date: Tue 9 July 2019
Report Date: Fri 12 July 2019

Sample Type: Plumage
Shipped By: Collected By IDFL China (Downpass# 19-289297)
Sample Identification: 90/10 GDD EN



¹ CMA Accredited

² CNAS Accredited

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Test Report

90/10 GDD EN

IDFL # 19-291397

Zhejiang Samsung Down Co., Ltd
Fri 12 July 2019

Test Orders Summary

Test	Test Component	Result	Expected Value
Content EN 12131 2018	Down Clusters	81.0%	80.95
Species Down & Feathers IDFB Part 12 2013	Total Goose	0%	-
	Total Duck	100%	-
Oxygen Number EN 1162 1996	Oxygen	1.6 mg/100g	-

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Content EN 12131 2018¹

Down Clusters	81.0%
Down Fibers	7.5%
Waterfowl Feather Fibers	3.2%
Waterfowl Feathers	7.5%
Broken and Damaged Waterfowl Feathers	0.1%
Quill	0.0%
Landfowl	0.4%
Residue	0.3%
Total	100.0%

Result(s) Used for Evaluation

Total Down	85.1%
Down Fiber Allowance (4.1%) + Down Clusters (81.0%)	
Total Waterfowl Feathers	8.1%
Waterfowl Feather Fibers & Broken and Damaged Waterfowl Feathers Allowance (0.6%) + Waterfowl Feathers (7.5%)	
Other Elements	6.9%
Excess Down Fiber (3.6%) + Excess Waterfowl Feather Fibers & Broken and Damaged Waterfowl Feathers (2.6%) + Landfowl (0.4%) + Residue (0.3%) + Quill (0.0%)	

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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Oxygen Number EN 1162 1996 ^{1, 2}

Oxygen **1.6 mg/100g**

European Standards Down & Feather Products Labelling EN 12934

Evaluation Component	Test	Test Component	Requirement	Result	Finding
Basic	Oxygen Number EN 1162 1996	Oxygen Number	Max 20 mg/100g	1.6 mg/100g	Pass
90% DOWN / 10% FEATHER	Content EN 12131 2018	Total Down	Min 85%	85.0%	Pass
		Other Elements	N/A %	6.8%	-
		Down Clusters	Min 80.95%	81.0%	Pass
		Total Waterfowl Feathers	N/A %	8.1%	-
Class II	Content EN 12131 2018	Other Elements	Min of 5% and max of 15%	6.8%	Pass
DOWN PRODUCT	Content EN 12131 2018	Total Down	Min 60%	85.0%	Pass
		Landfowl	Less than 10%	0.4%	Pass
Duck (Down & Feathers)	Species Down & Feathers IDFB Part 12 2013	Duck (Total - Down & Feathers)	Min 70	100.0	Pass
WATERFOWL PRODUCT	Content EN 12131 2018	Landfowl	Less than 10%	0.4%	Pass

Total Down: Down Fiber Allowance (4.0%) + Down Clusters (81.0%) = **85.0%**

Total Waterfowl Feathers:

Waterfowl Feather Fibers & Broken and Damaged Waterfowl Feathers Allowance (0.7%) + Waterfowl Feathers (7.5%)

= **8.2%**

Other Elements:

Excess Down Fiber (3.5%) + Excess Waterfowl Feathers & Broken and Damaged Waterfowl Feathers (2.6%) + Landfowl (0.4%) + Residue (0.3%) + Quill (0.0%)

= **6.8%**

Suggested Label based on EN 12934 requirements

Pure Duck Down and Feathers
90% Down, 10% Feathers

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