



Down & Feather Products Labelling (EUROPE - March 2010)

Source: EUROPEAN STANDARDS (EN 12934 & other EN standards)

For Additional Information

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Definitions:

1. DOWN..... The following definitions are used in the labelling of down and feather products in Europe:
Down cluster (see below) + allowance of up to 5% down fibre as a % of down cluster.
Down Cluster = Down + Plumules + Nestling Downs.
2. FEATHERS..... Feathers (no quills) + allowance of up to 9% feather fibre and damaged/chopped feathers as a % of feathers.
3. LANDFOWL..... Non-waterfowl feathers, such as chicken, turkey, etc.
4. OTHER ELEMENTS.... The sum of down fibre in excess of 5% allowance
+ Feather fibre & chopped/damaged feathers in excess of 9% allowance,
+ Landfowl + Residue + Quill feathers + Reprocessed feathers (couché)
5. CLASS..... See next page for explanation of Product Classes.
6. DOWN PRODUCT..... If a product has 60% or more "DOWN" the product may be advertised as a "DOWN PRODUCT." See EN 13186.
(The minimum down cluster required for a product labelled as 60% down is 52.38%)

Component Requirements WATERFOWL Products --- CLASS I (NEW)

LABEL Down % Feather %	Minimum Down Cluster	% Down Fibre Allowed for Total Down	Minimum Total Down	Maximum Other Elements	Possible Range % Feathers including 9% Allowance	NOTES
100% Down	90.48 %	** 4.52 %	95 %	5 %	0 - 5 %	If Other Elements exceed 5% then Product is: <ul style="list-style-type: none"> • Class II (if other elements are >5% & ≤15%) • Class III (if other elements are > 15%) (See next page for details) Up to 9% feather fibre & chopped/damaged feathers can be added to feathers. <ul style="list-style-type: none"> • The 9% is based upon the actual feather % found in the product/sample. • Example: If 50% feathers are found then 4.5% of feather fibre and/or damaged-broken can be added to the feathers. Landfowl must be added to "Other Elements." <ul style="list-style-type: none"> • It is very difficult to achieve the label Class I if the product has any landfowl.
90 % / 10 %	80.95	4.05	85	5	1 - 15	
80 / 20	71.43	3.57	75	5	11 - 25	
70 / 30	61.90	3.10	65	5	21 - 35	
60 / 40	52.38	2.62	55	5	31 - 45	
50 / 50	42.86	2.14	45	5	41 - 55	
40 / 60	33.33	1.67	35	5	51 - 65	
30 / 70	23.81	1.19	25	5	61 - 75	
20 / 80	16.67	0.83	17.5	5	71 - 82.5	
15 / 85	11.90	0.60	12.5	5	78 - 87.5	
10 / 90	7.14	0.36	7.5	5	83 - 92.5	

** Listed allowance for Down Fibre is based on minimum down cluster, if actual down cluster is higher, down fibre allowance is higher

WATERFOWL FEATHERS
LANDFOWL FEATHERS & FIBRES

To be labelled "Waterfowl," the feather portion must have less than 10% Landfowl.
Landfowl is added to Other Elements. **Class 1 is very difficult to achieve with any landfowl.**

SPECIES	Label	Amount of Goose Required	Label	Amount of Goose Allowed
	Pure Goose	Minimum 90 % Goose	Duck/Goose	30 % - 49.9 % Goose
	Goose	70 % - 89.9 % Goose	Duck	10 % - 29.9 % Goose
	Goose/Duck	50 % - 69.9 % Goose	Pure Duck	0 % - 9.9 % Goose

CLEANLINESS (EN 12935)

Required: Oxygen Number < 20 (EN 1162) If oxygen > 20 then Microbiological State (Bioburden) must be tested (EN 1884)

Optional: Turbidity..... > than 300 (EN 1164) pH value 6.6 - 8.0 (EN 1413)
Oil & Fat Content..... 0.5% - 2.0% (EN 1163)

FILL POWER (EN 12130 / PAS 1003) Tumble Dry Fill Power (mm/20g) is the official EN method. The tolerance allowed is ±5%.

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Product Classes

TYPE OF FOWL	% OTHER ELEMENTS	CLASSIFICATION	REQUIRED ITEMS ON LABEL
WATERFOWL	less than 5%	CLASS I and/or "NEW"	down %, feather %
	5% to 15%	CLASS II	down %, feather %
	more than 15%	CLASS III	down %, feather % other elements%
LANDFOWL and blends of Landfowl/Waterfowl	less than 5%	CLASS IV and/or "NEW"	down %, feather %
	5% to 15%	CLASS V	down %, feather %
	more than 15%	CLASS VI	down %, feather % other elements %
LANDFOWL and/or WATERFOWL	-	CLASS VII	unspecified composition

Labelling EXAMPLES

SAMPLE A

SAMPLE B

SAMPLE C

ACTUAL RESULTS OF COMPOSITION TEST	DOWN CLUSTER	91 %	82 %	60 %
	DOWN FIBRE	5 %	6 %	12 %
	FEATHER FIBRE	1 %	3 %	8 %
	FEATHERS	2 %	6 %	16 %
	DAMAGED/BROKEN FEATHERS	1 %	1 %	2 %
	LANDFOWL	0 %	0.5 %	1 %
	RESIDUE/OTHER	0 %	1.5 %	1 %
	OVERALL GOOSE PLUMAGE	72 %	91 %	60 %
	OVERALL DUCK PLUMAGE	28 %	9 %	40 %
Allowance of up to 5% down fibre as a % of down cluster Formula: down cluster x .05 = allowable down fibre)		4.55 %	4.10 %	3.00 %
TOTAL DOWN (down cluster + allowance of down fibre)		95.55 %	86.10 %	63.00 %
Allowance of 9% feather fibre & chopped/damaged as % of total feathers Formula: Feathers .09 = allowable feather fibre & chopped/damaged		0.18 %	0.54 %	1.44 %
TOTAL FEATHERS (feathers + 9% allowance as described above)		2.18 %	6.54 %	17.44 %
Residue +		0.00 %	1.50 %	1.00 %
excess down fibre +		0.45 %	1.90 %	9.00 %
excess feather fibre & chopped/damaged feathers +		1.82 %	3.46 %	8.56 %
Re-processed Down or Feathers (couché) +		0 %	0 %	
Landfowl +		0 %	0.50 %	1.00 %
TOTAL OTHER ELEMENTS =		2.27 %	7.36 %	19.56 %
RE-CALCULATED REPORT ACCORDING TO EN 12934	DOWN	95.55 %	86.10 %	63.00 %
	FEATHERS	2.18 %	6.54 %	17.44 %
	LANDFOWL	- %	0.50 %	1.00 %
	OTHER ELEMENTS (Including Landfowl)	2.27 %	7.36 %	19.56 %
PRODUCT CLASS		CLASS I (new)	CLASS II	CLASS III
DETAILED LABEL		NEW GOOSE DOWN, Class 1, 100% Down	PURE GOOSE DOWN & FEATHERS Class II, 90% DOWN 10% FEATHERS	GOOSE/DUCK DOWN & FEATHERS, Class III, 60% DOWN 20% FEATHERS 20% OTHER ELEMENTS