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Product Data Sheet for Colfan Collagen Casings

Viscofan S.A. is manufacturer of Colfan collagen casings with Health Registration of Food Industries number (Número de Registro Sanitario de Industrias Alimentarias) 10-08185-NA. Viscofan S.A. is ISO 9002 certified since June 1994, renewed in 1997, 2000, 2003 and 2006 according to the version 9001:2000.

Types and composition.

Colfan is primarily made of collagen, a natural protein with high mechanical resistance and excellent digestibility.

Colfan is available in three varieties, capable of satisfying specific demands for every kind of sausage:

- **Colfan F:** designed for fresh sausages where portion uniformity, frying characteristics and tender bite are of utmost importance.
- **Colfan P:** designed to stand quick stuffing and hanging, and to show good cooking thermal stability in smokehouses. It can also be used in the preparation of raw-cured or fermented sausage products. For certain applications there is also a variety which will withstand clipping.
- **Colfan M:** combining the features of the two previous types of casing. Used in smoked or non-smoked, cooked sausages which require good frying features, or dry sausages for which drying speed and uniformity are key factors..

Composition (%) by types.

	Colfan F	Colfan M		Colfan P	
	(fresh sausages)	(cooked & fried sausages, dry sausages)		(cooked sausages, dry sausages)	
SIZES (mm)	17-34	17-23	24-26	17-23	24-28
Collagen	43±3	43±2	40±2	53±2	49.5±2
Water	22±3	22±2	24.5±2	22.5±2	24.5±2
Glycerol	17±2	17±2	18.5±2	16.5±2	18±2
Cellulose	15±2	15±2	14±2	5±2	5±2
Oil	3±1	3±1	3±1	3±1	3±1

These are average values that may vary. All ingredients are food grade.

There are no toxic ingredients in Colfan. Colfan collagen casings are approved for use in the production of meat products and are registered in the above mentioned Health Register (Registro Sanitario) dependent of the Health Department of the Government of Navarre, Spain (Departamento de Salud del Gobierno de Navarra, España).

Allergens and GMO's

Colfan edible casings do not contain allergenic substances, in accordance to European directive 89/2003.

Original raw materials and process coadjutants used in Colfan production do not contain genetically modified organisms, and labeling is not required accordingly to CE 1829/2003 and 1830/2003 normative.

Advantages.

- ready-to-stuff
- great caliber consistency
- uniform yields
- waste and downtime reduction
- smokable
- friable (when applicable)
- printable (edible pigments)



Presentation.

Shirred diameter range: Colfan P and M, sizes 17-28. Colfan F, sizes 17- 34.

Closed end: for automatic stuffing equipment.

Open end: for linking devices and manual operation.

Collagen sticks are packed in cardboard caddies, to preserve the product against any kind of deterioration or contamination.

Colfan caddies are wrapped in an opaque film of metallic polyester and heat-sealable polyethylene, impermeable to oxygen and water, inside which the desired level of humidity is maintained for optimum performance. The film also protects the casings from the harmful effects of sunlight.

Colfan caddies are packed into cardboard cases. Each case or carton contains six caddies. The cases are labeled on the outside with details of caliber, type of casing, length per stick in feet/meters, and total quantity in meters. The date of dispatch is also stamped onto the case, facilitating stock control in the warehouse.

Colors: clear.

Print: one color print possible (natural edible pigments). Black or brown.

Processing.

Collagen casings are ready-to-stuff directly without any preconditioning. Avoid humidity loss. Fill in the proper direction to the recommended stuffing diameter.

Storage.

Recommended period of use (P, M or F) is 24 months from shipment date, assuming proper storage in a dry, cold area (5°C-18°C / 40°F-65°F are recommended), away from sunlight and direct heat sources.

Colfan stocks must be managed following FIFO (first-in-first-out) policies.

Stuffing recommendations (standard sizes).

TYPE	P/M						
	AUTOMATIC				SEMIAUTOMATIC		
	CAL	FEET	STUFF. Ø	HORN Ø	HORN N°	CHUCK	HORN HOLDING DEVICE
			mm	n°	n°	n°	
17	50/60	17,0	8,7	11	17	9	
18	50/60	18,0	9,5	12	18	10	
19	50/60	19,0	10,3	13	19	10	
20	50/60	20,0	10,3	13	20	10	
21	50/60	21,0	11,1	14	21	11	
22	50/60	22,0	11,9	15	22	12	
23	50/60	23,0	12,7	16	23	12	
24	50	24,0	13,5	17	24	13	
25	50	25,0	14,3	18	25	13	
26	50	26,0	14,3	18	26	14	
28	50	28,0	14,3	18	28	16	

F			
CALIBER	FEET	STUFF. Ø	HORN Ø
19	60	19,0	10,3
21	60	21,0	11,1
21	90	21,0	11,1
22	60	22,0	11,1
23	60	23,0	12,7
23	90	23,0	12,7
24	60	24,0	13,5
26	60	26,0	14,3
26	90	26,0	14,3
28	60	28,0	16
28	90	28,0	16
28	112	28,0	16
28	140	28,0	15
28	150	28,0	15
29	60	29,0	17
30	90	30,0	18
32	90	32,0	20
34	90	34,0	21



Packaging (standard sizes).

TYPE	CALIBER	FEET/STICK	STICKS/CADDY	CADDIES/CARTON	METERS/CARTON	FEET/CARTON
P/M	17-23	50	50	6	4.570	15.000
	24-28	50	32	6	2.925	9.600
	17-23	60	50	6	5.485	18.000
	24-28	60	32	6	3.510	11.520
F	17-23	60	50	6	5.485	18.000
		90	50	6	8.230	27.000
	24-32	60	32	6	3.510	11.520
		90	32	6	5.265	17.280
		112	32	6	6.555	21.504
		122	32	6	7.140	23.424
		140	32	6	8.190	26.880
		150	32	6	8.775	28.800
	34	90	26	6	4.280	14.040

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