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IQNet Registrations No. IT-2825 - Certificate No. 312/96/S

Messrs. PM PETERSON COMPANY LLC
To the attention of Mr. Jan Tovtik

	Conformity Declaration	**N°001/15**
	AGRAMILK SD/10 **Suction and delivery hose for milk and fatty food products**	**rev.1**

Hose to be manufactured on stainless steel mandrels using lining rubber compound in compliance with:.
Requirements of FDA -CFR 21-Parts 170 to 199- Item 177.2600 (f) for fatty foods - CERISIE R.P. n°684/2008;
Requirements of the recommendation XXI Category 2 of BfR - CERISIE R.P. n°462/2010;
Regulation (EC) n°1935/2004 and Requirements of D.M. 21.03.73 and subsequent amendments - CERISIE R.P. n°612-A/2012.

TUBE: white, smooth, NBR compound food quality (called NITRO WHITE FDA BfR/2), odourless and taste-free .

REINFORCEMENT: high strenght synthetic plies with steel spiral embedded.

COVER: blue, smooth, cloth impression NBR rubber, resistant to abrasion, ozone and weather.

WORKING TEMPERATURE: -40°C +80°C (-40°F +176°F) sterilization at 110°C for max 30 min.

TOLERANCES: Inside and outside diameters according to ISO 1307-92.
Lenght tolerance: ± 1%.

INSPECTION TESTING

1. Internal and external diameter check: measured values shall meet the tolerances of ISO 1307-92.
2. Visual examination: hose shall be free from defects or surface imperfections.

QUALIFICATION TESTING

1. I.D., O.D. , WEIGHT, W.P., B.P., Bending Radius, Vacuum stability according to TABLE A

TABLE A

ID (mm)	OD (mm)	WEIGHT (Kg/m)	WP (bar)	BP (bar)	Min Bend Radius (mm)	Vacuum (bar)
19	29	0,67	10	30	38	0,9
25	35	0,80	10	30	50	0,9
30	42	1,11	10	30	60	0,9
32	44	1,23	10	30	64	0,9
38	50	1,38	10	30	76	0,9
40	52	1,41	10	30	80	0,9
45	57	1,62	10	30	90	0,9
51	64	1,88	10	30	102	0,9
60	73	2,24	10	30	150	0,9
63,5	77	2,60	10	30	160	0,9
65	79	2,66	10	30	170	0,9
70	83	2,86	10	30	180	0,9
76	89	3,00	10	30	190	0,9
80	93	3,17	10	30	250	0,9
90	104	4,08	10	30	320	0,9
102	116	4,60	10	30	380	0,9

2. Change in lenght at 1,5 x W.P. = 0% up to +10% (ISO 1402)
3. B.P. ≥ 3 x W.P. (ISO 1402)
4. Cover abrasion ≤ 350 mmc (DIN 53516-ISO 4649)
5. Cover ozone resistance = 50 pphm, 20%, 40°C, 72 h (ISO 1431-1)
6. Tube and cover adhesion ≥ 1,5 N/mm (ISO 8033)
7. Tube and cover tensile strenght ≥ 7 Mpa (ISO 37)
8. Tube and cover elongation ≥ 300% (ISO 37)
9. Flexibility (ISO 10619-1 metodo B)

Issue date:	16/04/2015	**Revision date:**	27/04/2015	**Signature:**	Chiara Bondino