




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

	<b>AGRAWINE/10</b>		N°003/15		
	<b>DELIVERY HOSE FOR LIQUID FOOD PRODUCTS (WINE, FRUIT JUICE, SOFT DRINKS)</b>		rev.0		
<p>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 (e) for aqueous foods-CERISIE R.P. n°612-E/2011 Requirements of the recommendation XXI Category 2 of BFR-CERISIE R.P. n°263-Bbis/2010 Regulation (EC) n°1935/2004 and Requirements of D.M. 21.03.73 and subsequent amendments - CERISIE R.P. n°612-Cbis/2011.</p>					
<b>TUBE:</b>	white, smooth, EPDM compound food quality, odourless and taste-free .				
<b>REINFORCEMENT:</b>	high strenght synthetic plies.				
<b>COVER:</b>	red, smooth, cloth impression EPDM rubber, resistant to abrasion, ozone and weather.				
<b>WORKING TEMPERATURE:</b>	-40°C +120°C (-40°F +248°F) sterilization at 110°C for max 30 min.				
<b>TOLERANCES:</b>	Inside and outside diameters according to ISO 1307-92. Lenght tolerance: ± 1%.				
<b>INSPECTION TESTING</b>					
<ol style="list-style-type: none"> <li>Internal and external diameter check: measured values shall meet the tolerances of ISO 1307-92.</li> <li>Visual examination: hose shall be free from defects or surface imperfections.</li> </ol>					
<b>QUALIFICATION TESTING</b>					
<ol style="list-style-type: none"> <li>I.D., O.D. , WEIGHT, W.P., B.P., Bending Radius according to TABLE A</li> </ol>					
TABLE A					
ID (mm)	OD (mm)	WEIGHT (Kg/m)	WP (bar)	BP (bar)	Min Bend Radius (mm)
13	23	0,31	10	30	70
19	29	0,45	10	30	95
25	35	0,59	10	30	140
30	41	0,80	10	30	160
32	43	0,90	10	30	170
38	51	1,20	10	30	200
40	54	1,40	10	30	220
51	65	1,90	10	30	250
63,5	81,5	2,95	10	30	340
65	87	3,65	10	30	360
76	101	4,65	10	30	410
102	132	6,20	10	30	600
<ol style="list-style-type: none"> <li>Change in lenght at 1,5 x W.P. = 0% up to +10% (ISO 1402)</li> <li>B.P. ≥ 3 x W.P. (ISO 1402)</li> <li>Cover abrasion ≤ 350 mmc (DIN 53516-ISO 4649)</li> <li>Cover ozone resistance = 50 pphm, 20%, 40°C, 72 h (ISO 1431-1)</li> <li>Tube and cover adhesion ≥ 1,8 N/mm (ISO 8033)</li> <li>Tube and cover tensile strenght ≥ 6 Mpa (ISO 37)</li> <li>Tube and cover elongation ≥ 350% (ISO 37)</li> <li>Flexibility (ISO 10619-1 metodo B)</li> </ol>					
<b>Issue date:</b>	17/12/2015	<b>Revision date:</b>		<b>Signature:</b>	Chiara Bondino