INTERSURGICAL®
COMPLETE RESPIRATORY SYSTEMS
Quality, innovation and choice

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TEST DATA:
Intersorb 8 to 12 mesh Indicating and Non-indicating comparison with Sofnolime 797

TESTS:
NATO test standard STANAG No 1411.
European standard 14143.

Physical properties: **NATO test standard STANAG No 1411**

	Intersorb 812 NI and WV Typical data	Sofnolime 797	Specification
Particle size			
Over 2.80 mm	0.6 %	0.2 %	1 % max
2.00 to 2.80 mm	25%	19 %	30 % max
1.40 to 2.00 mm	Balance	Balance	Balance
0.600 to 1.40 mm	6 %	12 %	20 % max
Under 0.600 mm	0.5 %	0.9 %	1 % max
Moisture content	16 %	18 %	14 % to 20 %
Hardness (% Retained on 1.4mm screen)	87 %	85 %	80 % minimum
Resistance to flow (40 L/min, absorber 10 cm diameter, 12.5 cm height, volume 1 litre.)	1.4 mbar unused 1.6 mbar used	1.5 mbar unused 1.6 mbar used	

Carbon Dioxide absorption: **NATO test standard STANAG No 1411**

	Intersorb 812 NI and WV Typical data	Sofnolime 797	Specification
Time to 0.5 % CO_2 breakthrough (minutes)	100 minutes	89 minutes	80 minimum
CO_2 capacity L/kg	150 L/kg	133 L/Kg	120 L/kg minimum

105 ml absorbent in 30 mm diameter tube.
Challenge gas: 3.0 L/min air containing 5 % CO_2.
Humidity 100 %
Temperature 20°C

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Carbon Dioxide absorption: **European standard 14143.**

	Intersorb 812 NI and WV Typical data	**Sofnolime 797**
Time to 0.5 % CO_2 breakthrough (minutes)	365 minutes	355
Time to 1 % CO_2 breakthrough (minutes)	392 minutes	378
CO_2 capacity L/kg	245 L/kg	237 L/kg
pH of drain water after test	8	8

Absorbent volume	3 litres
Challenge gas:	40 x 1 litre breaths per minute containing 1.6 L/min CO_2.
Humidity	80 to 90 % %
Temperature	32^{o}C
Pressure	Atmospheric.

3rd September 2010

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