

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 % CO₂.
Humidity 100 %
Temperature 20°C

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 CO₂.
Humidity 80 to 90 % %
Temperature 32°C
Pressure Atmospheric.

3rd September 2010
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