OFFSHORE TRANSFER / BUNKERING HOSE
TECHNICAL SPECIFICATION:
BS10 COURT Bulk Material Delivery Hose

Typical Application:
Cement, baryte and dry powder delivery in offshore applications

Construction
Tube: Black SBR/NR Rubber
Reinforcement: Synthetic cord and copper wire
Cover: Black synthetic rubber with yellow stripe
Temperature Range: -40°C to +70°C

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>BAR</td>
<td>PSI</td>
<td>BAR</td>
</tr>
<tr>
<td>Offshore BS10 Court</td>
<td>102</td>
<td>4</td>
<td>123</td>
<td>4.85</td>
<td>10</td>
<td>150</td>
<td>40</td>
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<tr>
<td>Offshore BS10 Court</td>
<td>127</td>
<td>5</td>
<td>148</td>
<td>5.83</td>
<td>10</td>
<td>150</td>
<td>40</td>
</tr>
</tbody>
</table>

DET NORSKE VERITAS
TYPE APPROVAL CERTIFICATE
CERTIFICATE NO - TAP00000B
TECHNICAL SPECIFICATION:
CH10 JURY Bulk Material Suction & Delivery Hose

**Construction**

- **Tube:** Black SBR/NR Rubber
- **Reinforcement:** Synthetic Cord embedded helix wire and copper wire
- **Cover:** Black synthetic rubber with green stripe
- **Temperature Range:** -40°C to +70°C

**Typical Application:**
Cement, baryte and dry powder suction and delivery hose

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
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<tbody>
<tr>
<td>Offshore CH10 Jury</td>
<td>102 mm 4 inch</td>
<td>124.5 mm 4.91 inch</td>
<td>10 BAR 150 PSI</td>
<td>40 BAR 600 PSI</td>
<td>600 mm</td>
<td>5.8 Kg/m</td>
<td>120 Mtr</td>
</tr>
<tr>
<td>Offshore CH10 Jury</td>
<td>127 mm 5 inch</td>
<td>149.5 mm 5.89 inch</td>
<td>10 BAR 150 PSI</td>
<td>40 BAR 600 PSI</td>
<td>900 mm</td>
<td>6.52 Kg/m</td>
<td>60 Mtr</td>
</tr>
</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

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**Det Norske Veritas**

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000BJ
TECHNICAL SPECIFICATION:
CS10 BAILEY Bulk Material Delivery Hose

**Construction**
- **Tube:** Black SBR/NR Rubber
- **Reinforcement:** Synthetic cord and copper wire
- **Cover:** Black synthetic rubber with yellow stripe
- **Temperature Range:** -40°C to +70°C

**Typical Application:**
Cement, baryte and dry powder delivery in offshore applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight Cont. Length</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>BAR</td>
<td>PSI</td>
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<tr>
<td>Offshore CS10 Bailey</td>
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<td>4</td>
<td>123</td>
<td>4.85</td>
<td>10</td>
<td>150</td>
</tr>
<tr>
<td>Offshore CS10 Bailey</td>
<td>127</td>
<td>5</td>
<td>148</td>
<td>5.83</td>
<td>10</td>
<td>150</td>
</tr>
</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

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DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000B]
TECHNICAL SPECIFICATION:
DUNBAR Liquid Mud Delivery Hose

**Construction**

- **Tube:** Black nitrile rubber
- **Reinforcement:** Synthetic cord plies and copper wire
- **Cover:** Black PVC/NBR rubber with 2 red stripes

**Temperature Range:** -25°C to +70°C

**Typical Application:**
Fuel Oil, Liquid Mud containing Crude Oil and Grit delivery in offshore applications
Maximum aromatic content: 30%

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore Dunbar 55</td>
<td>102 mm, 4 inch</td>
<td>137 mm, 5.4 inch</td>
<td>55 BAR, 825 PSI</td>
<td>164* BAR, 2460 PSI</td>
<td>650 mm</td>
<td>7.39 Kg/m</td>
<td>120 Mtr</td>
</tr>
</tbody>
</table>

*Working pressure is 45 bar with DNV certification*

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

---

DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000BJ
TECHNICAL SPECIFICATION:
DUNBAR/40 Liquid Mud Delivery Hose

Construction

Tube: Black nitrile rubber
Reinforcement: Synthetic cord plies and copper wire
Cover: Black PVC/NBR rubber with red stripe

Temperature Range: -25°C to +70°C

Typical Application:
Fuel Oil, Liquid Mud containing Crude Oil and Grit delivery in offshore applications
Maximum aromatic content: 30%

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore Dunbar 40</td>
<td>102 mm (4 inch)</td>
<td>135 mm (5.32 inch)</td>
<td>40* BAR (600 PSI)</td>
<td>120 BAR 1800 PSI</td>
<td>650 mm</td>
<td>7 Kg/m</td>
<td>120 Mtr</td>
</tr>
</tbody>
</table>

*Working pressure is 34 bar (510 psi) with DNV certification

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

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DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO: TAP00008B
TECHNICAL SPECIFICATION:
FH10 TROON Oil Suction & Delivery Hose

**Construction**

**Tube:**
Black nitrile rubber

**Reinforcement:**
Synthetic cord and an embedded helix wire and copper wires

**Cover:**
Black synthetic rubber with brown stripe

**Temperature Range:**
-30°C to +90°C

**Typical Application:**
Fuel Oil, Liquid Mud containing Crude Oil and Grit suction and delivery in offshore applications

Maximun aromatic content: 30%

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight Kg/m</th>
<th>Cont. Length Mtr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore FH10 Troon</td>
<td>76 mm/3 inch</td>
<td>94 mm/3.7 inch</td>
<td>10 BAR/150 PSI</td>
<td>40 BAR/600 PSI</td>
<td>500 mm</td>
<td>3.63</td>
<td>120 Mtr</td>
</tr>
<tr>
<td>Offshore FH10 Troon</td>
<td>102 mm/4 inch</td>
<td>120 mm/4.73 inch</td>
<td>10 BAR/150 PSI</td>
<td>40 BAR/600 PSI</td>
<td>600 mm</td>
<td>4.95</td>
<td>120 Mtr</td>
</tr>
<tr>
<td>Offshore FH10 Troon</td>
<td>127 mm/5 inch</td>
<td>150 mm/5.91 inch</td>
<td>10 BAR/150 PSI</td>
<td>40 BAR/600 PSI</td>
<td>900 mm</td>
<td>7.93</td>
<td>60 Mtr</td>
</tr>
</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000BJ

HDDS9996. Jul17
TECHNICAL SPECIFICATION:
FS10 ABERDEEN Heavy Duty Oil Delivery Hose

**Construction**

- **Tube:** Black nitrile rubber
- **Reinforcement:** Synthetic cord plies and copper wires
- **Cover:** Black synthetic rubber with brown stripe
- **Temperature Range:** -30°C to +90°C

**Typical Application:**
Fuel Oil, Liquid Mud containing Crude Oil and Grit delivery in offshore applications
Maximum aromatic content: 30%

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore FS10 Aberdeen</td>
<td>76 mm 3 inch</td>
<td>92 mm 3.63 inch</td>
<td>10 BAR 150 PSI</td>
<td>40 BAR 600 PSI</td>
<td>684 mm Kg/m</td>
<td>2.4 Kg/m</td>
<td>120 Mtr</td>
</tr>
<tr>
<td>Offshore FS10 Aberdeen</td>
<td>102 mm 4 inch</td>
<td>118 mm 4.65 inch</td>
<td>10 BAR 150 PSI</td>
<td>40 BAR 600 PSI</td>
<td>918 mm Kg/m</td>
<td>3.29 Kg/m</td>
<td>120 Mtr</td>
</tr>
</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

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**Det Norske Veritas**

**TYPE APPROVAL CERTIFICATE**

CERTIFICATE NO - TAP00000BJ
## TECHNICAL SPECIFICATION:
### OBAN Oil Suction & Delivery Hose

### Construction
- **Tube:** Black PVC/NBR rubber
- **Reinforcement:** Synthetic cord plies and an embedded helix wire and an anti-static copper wire
- **Cover:** Black CR rubber with orange stripe

### Temperature Range:
-25°C to +90°C

### Typical Application:
Fuel Oil, Liquid Mud containing Crude Oil and Grit suction and delivery in offshore applications

Maximum aromatic content: 50%

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
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<tbody>
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<td>mm</td>
<td>mm</td>
<td>BAR</td>
<td>PSI</td>
<td>BAR</td>
<td>PSI</td>
<td>mm</td>
</tr>
<tr>
<td>Offshore Oban 20</td>
<td>102</td>
<td>125</td>
<td>20</td>
<td>300</td>
<td>60</td>
<td>900</td>
<td>560</td>
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<tr>
<td>Offshore Oban 20</td>
<td>152</td>
<td>178</td>
<td>20</td>
<td>300</td>
<td>60</td>
<td>900</td>
<td>910</td>
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<tr>
<td>Offshore Oban 20</td>
<td>203</td>
<td>233.5</td>
<td>20</td>
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<td>52</td>
<td>780</td>
<td>1340</td>
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</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

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**DNV**

**Type Approval Certificate**

Certificate No: TAP00000BJ
TECHNICAL SPECIFICATION:
OBAN40 Oil Suction & Delivery Hose

Construction

Tube: Black PVC/NBR Rubber
Reinforcement: Synthetic cord plies and an embedded helix wire and an anti-static copper wire
Cover: Black CR rubber with orange stripe

Temperature Range: -25°C to +90°C

Typical Application:
Fuel Oil, Liquid Mud containing Crude Oil and Grit suction and delivery in offshore applications
Maximum aromatic content: 50%

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore Oban 40</td>
<td>102 mm</td>
<td>125 mm</td>
<td>40 BAR</td>
<td>120 BAR</td>
<td>560 mm</td>
<td>6.1 Kg/m</td>
<td>120 Mtr</td>
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</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000BJ
TECHNICAL SPECIFICATION:
PH10 TWEED Potable Water Suction & Delivery Hose

**Construction**

- **Tube:** White food quality EPDM
- **Reinforcement:** Synthetic cord and embedded helix wire
- **Cover:** Orange EPDM with yellow stripe
- **Temperature Range:** -40°C to +100°C

**Typical Application:**
Potable Water suction and delivery in offshore applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
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<th>Min. Bend Radius</th>
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<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
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<tr>
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<td>76</td>
<td>3</td>
<td>94</td>
<td>3.7</td>
<td>10</td>
<td>150</td>
<td>40</td>
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<tr>
<td>Offshore PH10 Tweed</td>
<td>102</td>
<td>4</td>
<td>121</td>
<td>4.77</td>
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<td>150</td>
<td>40</td>
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</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

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**DET NORSKE VERITAS**

**TYPE APPROVAL CERTIFICATE**

CERTIFICATE NO - TAP00000BJ
TECHNICAL SPECIFICATION:
PH17 TWEED Potable Water Suction & Delivery Hose

**Construction**

**Tube:**
White food quality EPDM

**Reinforcement:**
Synthetic cord and embedded helix wire

**Cover:**
Orange EPDM with yellow stripe

**Temperature Range:**
-40°C to +100°C

**Typical Application:**
Potable Water suction and delivery in offshore applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
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<th>Min. Bend Radius</th>
<th>Weight</th>
<th>Cont. Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offshore PH17 Tweed</td>
<td>76 mm 3 inch</td>
<td>94 mm 3.7 inch</td>
<td>17 BAR 255 PSI</td>
<td>68 BAR 1020 PSI</td>
<td>400 mm</td>
<td>3.65 Kg/m</td>
<td>60 Mtr</td>
</tr>
<tr>
<td>Offshore PH17 Tweed</td>
<td>102 mm 4 inch</td>
<td>125 mm 4.93 inch</td>
<td>17 BAR 255 PSI</td>
<td>68 BAR 1020 PSI</td>
<td>600 mm</td>
<td>6.22 Kg/m</td>
<td>60 Mtr</td>
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</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.
TECHNICAL SPECIFICATION:
PS10 BAR Potable Water Delivery Hose

**Construction**

- **Tube:** Red, non-toxic natural rubber
- **Reinforcement:** Synthetic cord
- **Cover:** Orange EPDM rubber with yellow stripe
- **Temperature Range:** -40°C to +70°C

**Typical Application:**
Potable Water delivery in offshore applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter (mm)</th>
<th>Outside Diameter (mm)</th>
<th>Working Pressure (BAR)</th>
<th>Min. Burst Pressure (BAR)</th>
<th>Min. Bend Radius (mm)</th>
<th>Weight (Kg/m)</th>
<th>Cont. Length (Mtr)</th>
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<td>Offshore PS10</td>
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<td>2.78</td>
<td>120</td>
</tr>
<tr>
<td>Offshore PS10</td>
<td>102</td>
<td>124</td>
<td>10</td>
<td>40</td>
<td>918</td>
<td>5.05</td>
<td>120</td>
</tr>
</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000BJ
TECHNICAL SPECIFICATION:
WS10 TRENT/S Drill Water Delivery Hose

Construction

Tube: Black SBR Rubber
Reinforcement: Synthetic cord, embedded with copper anti-static wire
Cover: Black EPDM rubber with blue stripe
Temperature Range: -35°C to +70°C

Typical Application:
Drill water delivery in offshore applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inside Diameter</th>
<th>Outside Diameter</th>
<th>Working Pressure</th>
<th>Min. Burst Pressure</th>
<th>Min. Bend Radius</th>
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<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>BAR</td>
<td>PSI</td>
<td>BAR</td>
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<tr>
<td>Offshore WS10</td>
<td>102</td>
<td>4</td>
<td>118</td>
<td>4.65</td>
<td>10</td>
<td>150</td>
<td>40</td>
</tr>
</tbody>
</table>

End fittings and safety accessories available include but are not limited to: API Male Threads, Hammer Unions, Flanges, Camlocks, Victualic Grooved Inserts, Dry Break Couplings, Weaklink/Breakaways, Lifting Hooks c/w safety clamps, lace up and clip on reflective flotation collars.

DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO - TAP00000B
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Moss Road
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Fax: +44 (0)1224 648701
Email: info@hydrasun.com

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