



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**

**Offshore**  
**Racing**  
**Congress**



**Certificate**

Number **014/20**  
Issued On **06/08/2020**  
ORC Ref **0385000002F**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 329kg  
Maximum **425kg**  
Minimum\* **319kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>737.7</b>	<b>0.8133</b>
Non Spin OSN	<b>717.0</b>	<b>0.8369</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**  
Symmetric: **Yes** 37.31  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

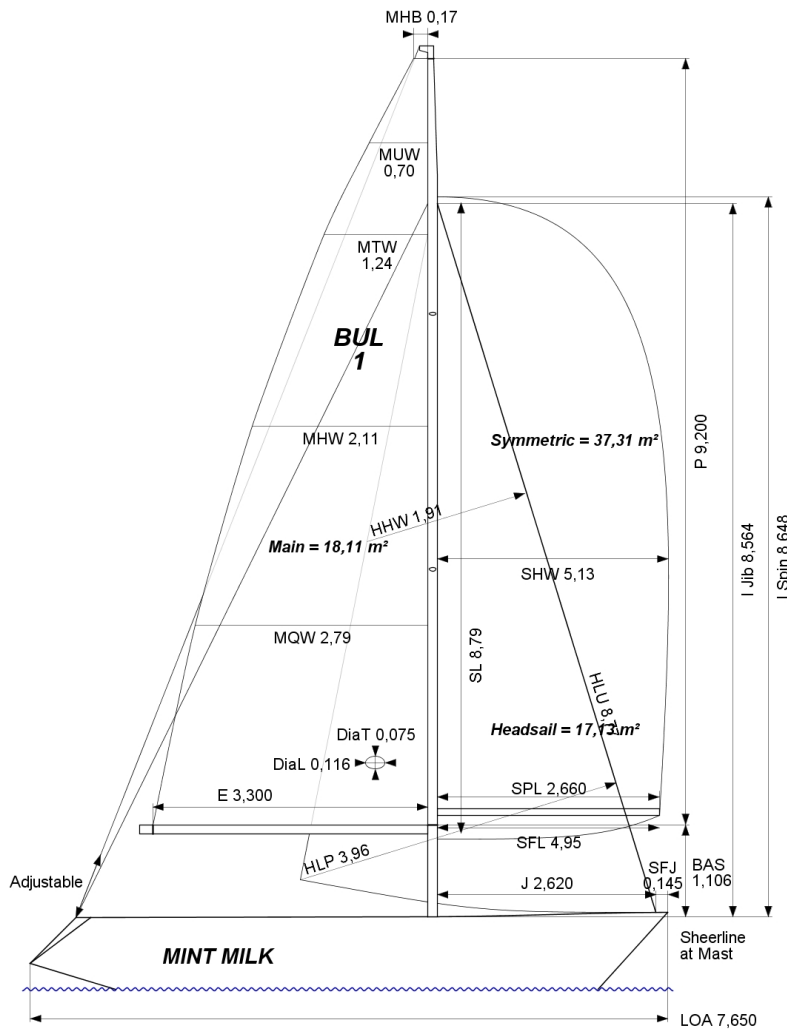
**Class Division Length**

**CDL = 6.236**

**Stability (Measured)**

Limit Positive Stab.: **112.5°**  
Stability Index: **104.3**

**Owner**



BOAT	GPH	HULL
Name <b>Mint Milk</b> Sail Nr <b>BUL-1</b>	<b>713.0</b>	Data File <b>BUL1</b> LOA <b>7.650m</b> Offset File <b>Peterson25.off</b> MB <b>2.756m</b> Displacement <b>1,210kg</b> Draft <b>1.477m</b>
<b>CLASS</b> Class <b>Peterson 25</b> Designer <b>Doug Peterson</b> Builder <b>Odessos Rigging</b> Series <b>05/1976</b> Age Date <b>11/2019</b> Age Allowance <b>0.487%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b> Mobile: +359888504046		IMSL <b>5.983m</b> VCGD <b>-0.001m</b> Sink <b>7.39kg/mm</b> RL <b>6.496m</b> VCGM <b>0.043m</b> WS <b>10.10m²</b> LSM0 <b>5.964m</b> Displacement/Length ratio <b>5.7039</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b>  <b>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>695.0</b>	<b>771.3</b>
Time on Time	<b>0.8633</b>	<b>0.8751</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>794.9 638.9 578.2</b>	<b>1012.9 771.3 694.7</b>
Time on Time	<b>0.8492 1.0565 1.1675</b>	<b>0.6664 0.8751 0.9716</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Mint Milk</b>	Certificate Number <b>014/20</b>
Sail Nr <b>BUL-1</b>	Issued On <b>06/08/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1121.9</b>	<b>943.7</b>	<b>854.7</b>	<b>828.5</b>	<b>822.7</b>	<b>823.1</b>	<b>834.6</b>
52°	<b>745.2</b>	<b>650.6</b>	<b>618.2</b>	<b>602.0</b>	<b>595.5</b>	<b>592.8</b>	<b>593.1</b>
60°	<b>709.0</b>	<b>634.1</b>	<b>604.8</b>	<b>584.5</b>	<b>574.5</b>	<b>569.8</b>	<b>569.5</b>
75°	<b>687.8</b>	<b>625.0</b>	<b>591.7</b>	<b>564.9</b>	<b>546.5</b>	<b>537.2</b>	<b>531.0</b>
90°	<b>695.0</b>	<b>622.0</b>	<b>581.9</b>	<b>554.1</b>	<b>534.8</b>	<b>515.5</b>	<b>495.6</b>
110°	<b>708.3</b>	<b>620.7</b>	<b>575.5</b>	<b>536.9</b>	<b>506.9</b>	<b>484.6</b>	<b>456.1</b>
120°	<b>732.3</b>	<b>631.2</b>	<b>585.8</b>	<b>545.2</b>	<b>509.9</b>	<b>476.6</b>	<b>424.3</b>
135°	<b>811.4</b>	<b>673.4</b>	<b>611.6</b>	<b>571.6</b>	<b>535.2</b>	<b>501.8</b>	<b>424.8</b>
150°	<b>954.3</b>	<b>765.7</b>	<b>656.5</b>	<b>606.2</b>	<b>569.1</b>	<b>535.6</b>	<b>472.9</b>
Run VMG	<b>1101.9</b>	<b>883.8</b>	<b>750.5</b>	<b>661.2</b>	<b>612.4</b>	<b>576.5</b>	<b>514.4</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1111.9</b>	<b>913.8</b>	<b>802.6</b>	<b>744.8</b>	<b>717.5</b>	<b>699.8</b>	<b>674.5</b>
Circular Random	<b>959.2</b>	<b>784.9</b>	<b>693.4</b>	<b>641.2</b>	<b>609.2</b>	<b>587.8</b>	<b>558.9</b>
Coastal / Long Distance	<b>1110.9</b>	<b>863.7</b>	<b>733.9</b>	<b>663.5</b>	<b>624.2</b>	<b>589.2</b>	<b>529.7</b>
Non Spinnaker	<b>1001.0</b>	<b>815.0</b>	<b>716.7</b>	<b>660.4</b>	<b>626.0</b>	<b>603.2</b>	<b>572.9</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>41.3°</b>	<b>40.5°</b>	<b>37.7°</b>	<b>36.8°</b>	<b>36.8°</b>	<b>36.8°</b>	<b>38.3°</b>
Beat VMG	<b>3.21</b>	<b>3.81</b>	<b>4.21</b>	<b>4.35</b>	<b>4.38</b>	<b>4.37</b>	<b>4.31</b>
52°	<b>4.83</b>	<b>5.53</b>	<b>5.82</b>	<b>5.98</b>	<b>6.05</b>	<b>6.07</b>	<b>6.07</b>
60°	<b>5.08</b>	<b>5.68</b>	<b>5.95</b>	<b>6.16</b>	<b>6.27</b>	<b>6.32</b>	<b>6.32</b>
75°	<b>5.23</b>	<b>5.76</b>	<b>6.08</b>	<b>6.37</b>	<b>6.59</b>	<b>6.70</b>	<b>6.78</b>
90°	<b>5.18</b>	<b>5.79</b>	<b>6.19</b>	<b>6.50</b>	<b>6.73</b>	<b>6.98</b>	<b>7.26</b>
110°	<b>5.08</b>	<b>5.80</b>	<b>6.25</b>	<b>6.70</b>	<b>7.10</b>	<b>7.43</b>	<b>7.89</b>
120°	<b>4.92</b>	<b>5.70</b>	<b>6.15</b>	<b>6.60</b>	<b>7.06</b>	<b>7.55</b>	<b>8.49</b>
135°	<b>4.44</b>	<b>5.35</b>	<b>5.89</b>	<b>6.30</b>	<b>6.73</b>	<b>7.17</b>	<b>8.48</b>
150°	<b>3.77</b>	<b>4.70</b>	<b>5.48</b>	<b>5.94</b>	<b>6.33</b>	<b>6.72</b>	<b>7.61</b>
Run VMG	<b>3.27</b>	<b>4.07</b>	<b>4.80</b>	<b>5.44</b>	<b>5.88</b>	<b>6.24</b>	<b>7.00</b>
Gybe Angles	<b>148.5°</b>	<b>152.0°</b>	<b>156.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>