


INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

| | | |
|---|---------------------------------|---|
| National Letters and Sail Number | SWE 391 | |
| ISAF Plaque no. | 223 | |
| Designer | P. Norlin | |
| Builder | Michael Smith | |
| Building Year | 2000 | |
| Owner | Jonas Palm | |
| Owners adress | Annas Gård 2 414 83 Göteborg | |
| Supersedes former certificate, dated | 2006-05-31 | Swedish Sailing Federation |
| This certificate is dated | 2007-05-16 |  |
| Validity confirmed by | <i>Kjell Northinse</i> | |
| Measurer: Rikard Bjurström | | Stamp of Authority |
| Complementary measurement: Per Lindell | 2007-04-28 | |

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|--|-------|-------|-------|
| Overall Length | | 4.180 | |
| Add (Overhang Forward to L ₁) | 0.432 | | |
| Add (Overhang Aft to L ₁) | 0.655 | | |
| Subtract Total Overhang | 1.087 | 1.087 | |
| Measured Length | | 3.093 | |
| Girth at Bow | 0.316 | | |
| Subtract (Twice Vertical Height at Bow) | 0.240 | | |
| 0 at Bow | 0.076 | | |
| Add 1,5*0 at Bow, (min 0.108) | | 0.114 | |
| Girth at Stern | 0.897 | | |
| Subtract (Twice Vertical Height at Stern) | 0.528 | | |
| 0 at Stern | 0.369 | | |
| Add 1/3 0 at Stern, minimum 0.080 | | 0.123 | |
| Add any penalty at 0 ₂ | | | |
| Correct length, L | | 3.330 | 3.330 |
| Subtract (Skin d to d ₁ Port) | 0.000 | | |
| Subtract (Chain d to d ₁ Port) | 0.000 | | |
| d Port | 0.000 | | |
| Subtract (Skin d to d ₁ Starboard) | 0.000 | | |
| Subtract (Chain d to d ₁ Starboard) | 0.000 | | |
| d Starboard | 0.000 | | |
| Add d | | 0.000 | |
| 2d | | | 0.000 |
| Add to find sum of measurements | | | 3.330 |
| Add (Mean Freeboard Bow 0) | 0.327 | | |
| Add (Mean Freeboard Midship D) | 0.291 | | |
| Add (Mean Freeboard Stern 0 and 0 ₂) | 0.298 | | |
| Sum of Freeboards | 0.916 | | |
| Subtract (1/3 sum) FREEBOARD, F, max | 0.292 | | 0.292 |
| | | | 3.038 |
| Beam penalty | | | 0.000 |
| Tumblehome penalty | | | 0.000 |
| \sqrt{S} | | | 2.649 |
| Total of Measurements | | | 5.687 |
| Divide by 2.37 = RATING = | | | 2.399 |
| Displacement penalty | | | 0.000 |
| Draft penalty | | | 0.000 |
| Final Rating | | | 2.399 |

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|---|------------|
| National Letters and Sail Number | SWE 391 |
| ISAF Plaque no. | 223 |
| This certificate is dated | 2007-05-16 |
| Overall Length | 4.180 |
| Add (Overhang Forward to L | 0.547 |
| (Overhang Aft to L | 0.655 |
| Subtract Total Overhang | 1.202 |
| Water Line Length | 2.978 |
| Beam at 1/3 Height of Midship Freebord | 0.000 |
| Maximum draft | 0.000 |
| Tumble Home | 0.000 |
| Weight by weighing | 257 kg |
| with 35 kg ballast | 292 kg |
| Minimum weight required by Rule | 289 kg |

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|-----------------------------|-----------|
| Areas of Sails | I = 3.750 |
| | J = 1.560 |
| | P = 4.622 |
| | E = 1.960 |
| Mainsail = | 4.530 |
| Foretriangle Total = | 2.925 |
| Foretriangle Total x 0.85 = | 2.486 |
| Sail Area for Rating = S = | 7.016 |
| \sqrt{S} | 2.649 |

If in doubt, the Certificate can be checked against the official website: www.ssf.se/tk/24/cert24.asp