


INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

National Letters and Sail Number	SWE 355	
ISAF Plaque no.	147	
Designer	Peter Norlin	
Builder	Vene - Björndahl	
Building Year	1997	
Owner	Stellan Berlin	
Owners address	Friggavägen 2 182 63 Djursholm	
Supersedes former certificate, dated	2007-01-15	Swedish Sailing Federation
This certificate is dated	2008-09-11	
Validity confirmed by	<i>Kjell Martinsson</i>	
Measurer: Stefan Ryott	1997-08-04	Stamp of Authority
Complementary measurement: Håkan Kellner	2008-08-14	

Overall Length		4.180	
Add (Overhang Forward to L ₁)		0.427	
Add (Overhang Aft to L ₁)		0.658	
Subtract Total Overhang		1.085	1.085
Measured Length			3.095
Girth at Bow		0.312	
Subtract (Twice Vertical Height at Bow		0.240	
0 at Bow		0.072	
Add 1,5*0 at Bow, (min 0.108)			0.108
Girth at Stern		0.898	
Subtract (Twice Vertical Height at Stern		0.529	
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		3.326	3.326
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			3.326
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
			3.034
Beam penalty			0.000
Tumblehome penalty			0.000
\sqrt{S}			2.654
Total of Measurements			5.688
Divide by 2.37 = RATING =			2.400
Displacement penalty			0.000
Draft penalty			0.000
Final Rating			2.400

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Overall Length	4.180
Add (Overhang Forward to L	0.544
(Overhang Aft to L	0.658
Subtract Total Overhang	<u>1.202</u>
Water Line Length	2.978
Beam at 1/3 Height of Midship Freebord	0.000
Maximum draft	1.000
Tumble Home	0.000
Weight by weighing	<u>254 kg</u>
with 35 kg ballast	<u>289 kg</u>
Minimum weight required by Rule	<u>289 kg</u>

Areas of Sails	I = 3.750
	J = 1.560
	P = 4.650
	E = 1.960
Mainsail =	4.557
Foretriangle Total =	2.925
Foretriangle Total x 0.85 =	<u>2.486</u>
Sail Area for Rating = S =	<u>7.043</u>
\sqrt{S}	<u>2.654</u>

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