

INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

National Letters and Sail Number	SWE 443
ISAF Plaque no.	ScandSF 128
Designer	Ole Eide
Builder	Ole Eide
Building Year	1994
Owner	Jan Hakefelt
Owners adress	Falkgatan 3 440 30 Marstrand

Supersedes former certificate, dated

This certificate is dated

2008-09-01

Validity confirmed by

Kjell Martinsson

Swedish Sailing Federation



Measurer: R. Sørheim (NOR)

Complementary measurement: Per Lindell

2008-08-24

Stamp of Authority

Overall Length		4.630	
Add (Overhang Forward to L ₁)		0.632	
Add (Overhang Aft to L ₁)		1.038	
Subtract Total Overhang		1.670	1.670
Measured Length			2.960
Girth at Bow		0.367	
Subtract (Twice Vertical Height at Bow)		0.240	
0 at Bow		0.127	
Add 1,5*0 at Bow, (min 0.108)			0.191
Girth at Stern		1.035	
Subtract (Twice Vertical Height at Stern)		0.555	
0 at Stern		0.480	
Add 1/3 0 at Stern, minimum 0.080			0.160
Add any penalty at 0 ₂			
Correct length, L		3.311	3.311
Subtract (Skin d to d ₁ Port)		0.455	
Subtract (Chain d to d ₁ Port)		0.455	
d Port		0.000	
Subtract (Skin d to d ₁ Starboard)		0.455	
Subtract (Chain d to d ₁ Starboard)		0.455	
d Starboard		0.000	
Add d			0.000
2d			0.000
Add to find sum of measurements			3.311
Add (Mean Freeboard Bow 0)		0.364	
Add (Mean Freeboard Midship D)		0.315	
Add (Mean Freeboard Stern 0 and 0 ₂)		0.312	
Sum of Freeboards		0.991	
Subtract (1/3 sum) FREEBOARD, F, max	0.292		0.292
Beam penalty			0.000
Tumblehome penalty			0.000
\sqrt{S}			2.667
Total of Measurements			5.686
Divide by 2.37 = RATING =			2.399
Displacement penalty			0.000
Draft penalty			0.000
Final Rating			2.399

National Letters and Sail Number	SWE 443
ISAF Plaque no.	ScandSF 128
This certificate is dated	2008-09-01
Overall Length	4.630
Add (Overhang Forward to L	0.750
(Overhang Aft to L	1.033
Subtract Total Overhang	<u>1.783</u>
Water Line Length	2.847
Beam at 1/3 Height of Midship Freebord	0.870
Maximum draft	1.000
Tumble Home	0.000
Weight by weighing	<u>234 kg</u>
with 35 kg ballast	<u>269 kg</u>
Minimum weight required by Rule	<u>256 kg</u>

Areas of Sails	I = 3.750
	J = 1.600
	P = 4.650
	E = 1.963
Mainsail =	4.564
Foretriangle Total =	3.000
Foretriangle Total x 0.85 =	<u>2.550</u>
Sail Area for Rating = S =	<u>7.114</u>
\sqrt{S}	2.667

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