


INTERNATIONAL 2.4 METRE CLASS

Rating Certificate

National Letters and Sail Number	SWE 363	
ISAF Plaque no.	201	
Designer	H. Malmsten	
Builder	H. Mamstern	
Building Year	1998	
Owner	Jan Milbjer	
Owners adress	Piggvarsgatan 47 426 79 Västra Frölunda	
Supersedes former certificate, dated	2005-09-11	Swedish Sailing Federation
This certificate is dated	2008-09-01	
Validity confirmed by	<i>Kjell Martinsson</i>	
Measurer: Jussi Santonen	1998-07-04	Stamp of Authority
Complementary measurement: Per Lindell	2008-08-22	

Overall Length		4.350	
Add (Overhang Forward to L ₁)		0.468	
Add (Overhang Aft to L ₁)		0.823	
Subtract Total Overhang		1.291	1.291
Measured Length			3.059
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		0.893	
Subtract (Twice Vertical Height at Stern)		0.500	
0 at Stern		0.393	
Add 1/3 0 at Stern, minimum 0.080			0.131
Add any penalty at 0 ₂			
Correct length, L		3.298	3.298
Subtract (Skin d to d ₁ Port)		0.460	
Subtract (Chain d to d ₁ Port)		0.460	
d Port		0.000	
Subtract (Skin d to d ₁ Starboard)		0.460	
Subtract (Chain d to d ₁ Starboard)		0.460	
d Starboard		0.000	
Add d			0.000
2d			0.000
Add to find sum of measurements			3.298
Add (Mean Freeboard Bow 0)		0.336	
Add (Mean Freeboard Midship D)		0.282	
Add (Mean Freeboard Stern 0 and 0 ₂)		0.280	
Sum of Freeboards		0.898	
Subtract (1/3 sum) FREEBOARD, F, max	0.292		0.292
			3.006
Beam penalty			0.000
Tumblehome penalty			0.000
\sqrt{S}			2.680
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 363
ISAF Plaque no.	201
This certificate is dated	2008-09-01
Overall Length	4.350
Add (Overhang Forward to L	0.604
(Overhang Aft to L	0.858
Subtract Total Overhang	<u>1.462</u>
Water Line Length	2.888
Beam at 1/3 Height of Midship Freebord	0.860
Maximum draft	1.000
Tumble Home	0.000
Weight by weighing	<u>248 kg</u>
with 35 kg ballast	<u>283 kg</u>
Minimum weight required by Rule	<u>266 kg</u>

Areas of Sails	I = 3.750
	J = 1.560
	P = 4.650
	E = 2.020
Mainsail =	4.697
Foretriangle Total =	2.925
Foretriangle Total x 0.85 =	<u>2.486</u>
Sail Area for Rating = S =	<u>7.183</u>
\sqrt{S}	2.680

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