

	INITIAL SURVEY	FINAL SURVEY	
MV "CHRISTINA V"	Inner roads 9.2	Wharf 212	
IMO NO. 9658915	05 12 2025 - 09 10 h	07 12 2025 - 17:45 h	
FLAG: Liberian	0.15 m waves	0.15 m waves	
BUILD: 2014	Wind force 01	Wind force 03	
DRAUGHT SURVEY CERTIFICATE	No tide flow	flood tide, < 1 knot	
PGUA/DS/350/25	Weather: Sunny	Weather: Fine	
DRAUGHT	INITIAL	FINAL	
Forward port	5 1400 m	13 3100 m	
Forward starboard	5 1800 m	13 3000 m	
Forward mean	5 1600 m	13 3050 m	
Stem correction	-0.0289 m	0.0021 m	
Draught forward (corrected to fore perpendicular)	5.1311 m	13.3071 m	
Midship port	5.9100 m	13.3500 m	
Midship starboard	6.1100 m	13.2800 m	
Midship mean	6.0100 m	13.3150 m	
Midship correction	-0.0047 m	0.0003 m	
Draught midship (corrected to midship perpendicular)	6.0053 m	13.3153 m	
Aft port	7.0900 m	13.1950 m	
Aft starboard	7.1100 m	13.1400 m	
Aft mean	7.1000 m	13.1675 m	
Stern correction	0.1181 m	-0.0084 m	
Draught after (corrected to after perpendicular)	7.2181 m	13.1591 m	
Kell correction	0.0000 m	0.0000 m	
Waterplane coefficient correction for hull deflexion	0.0152 m	-0.0106 m	
Means of means corrected for deflection:	6.0629 m	13.2842 m	
True trim	BY STERN 2.09 m	BY HEAD -0.15 m	
Heel (angle & in cm)	S 0.36 ° 20.00 cm	P 0.12 ° 7.00 cm	
Hull deflexion:	HOGGING 16.93 cm	SAGGING 8.22 cm	
DISPLACEMENTS	INITIAL	FINAL	
Displacement in salt water	35,383.1 t	81,553.1 t	
First trim correction	-287.6 t	-15.8 t	
Second trim correction	21.4 t	0.1 t	
Displacement corrected for trim	35,116.9 t	81,537.3 t	
Water density	1.01900	1.01750	
Displacement corrected for density	34,911.3 t	80,940.7 t	
Deductibles (fresh water, oils, etc.)	22,644.0 t	1,563.9 t	
Displacement corrected for deductibles	12,267.3 t	79,356.8 t	
Light Ship	11,994.0 t		
Calculated constant	302.4 t		
Anchor + chain	29.1 t	0.0 t	
Total cargo loaded on board as per draught survey		67060.4 t	
Loading terminals: IT, RO, .	TPC	61.1 t/cm	66.7 t/cm
Cargo: Maize in bulk	MTC +0.5	823.3 t/cm	1064.4 t/cm
Paranaguá, Br - Brazil. December 7th, 2025	MTC -0.5	801.7 t/cm	1045.4 t/cm
Total cargo loaded on board as per shore scales			67,043.315 t
Total cargo loaded on board as per draught survey			67,060.392 t
Surplus		17.077 t	0.03 %

Remarks: 1) Due to huge hull deflexion in hogging on initial draft survey and sagging on final draft survey, it was applied the waterplane area coefficient correction for the deflexion formula as per UN/ECE/Energy/19/1992. 2) According to the Master/Chief Officer usual constant would amount to 450 t.

Standard Brazil Marine Surveys & Services Ltda.
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 Licensed Marine Officer / Marine Surveyor / 375460MM

Master/Ch.Off:	67,045.086 t	1.771 t	0.00 %
Customs:	67,048.939 t	5.624 t	0.01 %
Charterers:	67,057.178 t	13.863 t	0.02 %
Consignees:	67,090.339 t	47.024 t	0.07 %

Master/Ch.Off: