

# M/V "IOLCOS HARMONY"

IMO NO. 9429431 FLAG: Maltese BUILD: 2012

## DRAUGHT SURVEY CERTIFICATE

PGUA/DS/331/25

	INITIAL SURVEY		FINAL SURVEY	
	Inner roads 8.2		Wharf 212	
	14.11.2025 - 09:05 h		18.11.2025 - 20:20 h	
	0,20 m. waves		0,15 m. waves	
	Wind force 01		Wind force 01	
	No tide flow		Flood tide, 1knot	
	Weather: Rainy		Weather: Fine	
DRAUGHT	INITIAL		FINAL	
Forward port	4,2500 m		12,5000 m	
Forward starboard	4,2600 m		12,5100 m	
Forward mean	4,2550 m		12,5050 m	
Stem correction	-0,0474 m		-0,0194 m	
<b>Draught forward (corrected to fore perpendicular)</b>	<b>4,2076 m</b>		<b>12,4856 m</b>	
Midship port	5,8500 m		12,6400 m	
Midship starboard	5,8700 m		12,6500 m	
Midship mean	5,8600 m		12,6450 m	
Midship correction	-0,0180 m		-0,0180 m	
<b>Draught midship (corrected to midship perpendicular)</b>	<b>5,8420 m</b>		<b>12,6270 m</b>	
Aft port	7,4000 m		12,6500 m	
Aft starboard	7,4000 m		12,6600 m	
Aft mean	7,4000 m		12,6550 m	
Stern correction	0,1175 m		-0,0115 m	
<b>Draught after (corrected to after perpendicular)</b>	<b>7,5175 m</b>		<b>12,6435 m</b>	
Kell correction	0,0180 m		0,0180 m	
<b>Means of means corrected:</b>	<b>5,8471 m</b>		<b>12,6114 m</b>	
<b>True trim</b>	<b>BY STERN</b>	<b>3,31 m</b>	<b>BY STERN</b>	<b>0,16 m</b>
<b>Heel (angle &amp; in cm)</b>	<b>S 0.03 °</b>	<b>2,00 cm</b>	<b>S 0.02 °</b>	<b>1,00 cm</b>
<b>Hull deflexion:</b>	<b>HOGGING</b>	<b>2,06 cm</b>	<b>SAGGING</b>	<b>6,24 cm</b>
DISPLACEMENTS	INITIAL		FINAL	
Displacement in salt water	38.933,4 t		89.530,2 t	
First trim correction	-894,6 t		10,4 t	
Second trim correction	96,6 t		0,2 t	
Displacement corrected for trim	38.135,4 t		89.540,8 t	
Water density	1,02000		1,01800	
Displacement corrected for density	37.949,4 t		88.929,3 t	
Deductibles (fresh water, oils, etc.)	22.614,2 t		2.017,2 t	
<b>Displacement corrected for deductibles</b>	<b>15.335,2 t</b>		<b>86.912,2 t</b>	
Light Ship	14.708,0 t			
Calculated constant	659,9 t			
Anchor + chain	32,7 t		0,0 t	
<b>Total cargo loaded on board as per draught survey</b>			<b>71544,3 t</b>	
<b>Loading terminals: CB, CO, CT, RO, .</b>	<b>TPC</b>	<b>71,1 t/cm</b>	<b>TPC</b>	<b>78,5 t/cm</b>
<b>Cargo: Maize in bulk</b>	<b>MTC +0.5</b>	<b>1006,8 t*cm</b>	<b>MTC +0.5</b>	<b>1323,8 t*cm</b>
<b>#NOME?</b>	<b>MTC -0.5</b>	<b>967,8 t*cm</b>	<b>MTC -0.5</b>	<b>1291,1 t*cm</b>
<b>Total cargo loaded on board as per shore scales</b>			<b>71.500,000 t</b>	
<b>Total cargo loaded on board as per draught survey</b>			<b>71.544,296 t</b>	
<b>Surplus</b>	<b>44,296 t</b>		<b>0,06 %</b>	

Standard Brazil Marine Surveys & Services Ltda.  
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Master/Ch. Off: **Not Informed**

Customs :	71.702,282 t	202,282 t	0,28 %
Charterers:	71.574,180 t	74,180 t	0,10 %
Consignees:	71.564,091 t	64,091 t	0,09 %
Consignees:	71.574,935 t	74,935 t	0,10 %