

	INITIAL SURVEY	FINAL SURVEY		
<b>M/V "IOLCOS HARMONY"</b>	Inner roads 8.2	Wharf 212		
IMO NO. 9429431 FLAG: Maltese BUILD: 2012	14.11.2025 - 09:05 h	18.11.2025 - 20:20 h		
<b>DRAUGHT SURVEY CERTIFICATE</b>	0,20 m. waves	0,15 m. waves		
PGUA/DS/331/25	Wind force 01	Wind force 01		
	No tide flow	Flood tide, 1knot		
	Weather: Rainy	Weather: Fine		
<b>DRAUGHT</b>	<b>INITIAL</b>	<b>FINAL</b>		
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>		
True trim	BY STERN 3,31 m	BY STERN 0,16 m		
Heel (angle & in cm)	S 0,03 ° 2,00 cm	S 0,02 ° 1,00 cm		
Hull deflection:	HOGGING 2,06 cm	SAGGING 6,24 cm		
<b>DISPLACEMENTS</b>	<b>INITIAL</b>	<b>FINAL</b>		
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		
Displacement corrected for deductibles	15.335,2 t	86.912,2 t		
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>		
Loading terminals: CB, CO, CT, RO, .	TPC	71,1 t/cm	TPC	78,5 t/cm
Cargo: Maize in bulk	MTC +0,5	1006,8 t*cm	MTC +0,5	1323,8 t*cm
#NOME?	MTC -0,5	967,8 t*cm	MTC -0,5	1291,1 t*cm
<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.  
José Antonio Machado Gomes Pereira / Igor do Carmo C. Pinotti  
Licensed Marine Officer / Marine Surveyor / 375460MM



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 %