



Name and address of manufacturer

Manho Rope & Wire Ltd. 31, YUSANGONGDAN 8-GIL, YANGSAN-SI, GYEONGSANGNAM-DO, KOREA

## MOORING LINE CERTIFICATE

Completed by the manufacturer for each line supplied and verified by an independent inspector where required by the user. Summarises the performance and design of the actual line supplied as performance indicators and other supporting documentation and information for the design range.

Demonstrates that the product has been manufactured, tested and documented following the ISO Standard

We hereby confirm that the above mentioned product was released for delivery after inspection by a competent person

Manufactured according to :

ISO 9554:2010(Fiber ropes-General specifications) & ISO 10572:2011(Mixed polyolefin fiber ropes)

OCIMF

Tested according to :

ISO 2307:2010 : Fiber ropes-Determination of certain physical and mechanical properties

### Line supply information

Ship design MBL	: ===	Cert No. :	BUS2406991/2
NSBF ( if tested )	: Not requested	Order No. :	240605-034-25
Diameter	: 96 MM	Customer :	FOR STOCK
Length	: 220 MTR	Vessel Name :	
Jacked	: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PO NO. :	MH 240605 KYLO
Splice type and design	: Manho spliced method	L/C NO. :	===
Material type and grade	: Polypropylene		
Product name	: HI-MAN ROPE		
Line construction	: 8-Strand		
Rotating	: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

### Performance indicators

OCIMF MEG4 : Demonstrating that the product had been manufactured, tested and documented following the guidelines in appendix B of the Mooring Equipment Guidelines, Fourth Edition(2018)

Line Design Breaking Force	: 134,0 TON				
Line Linear Density	: 4,17 kg/m				
Load Bearing Linear Density	: 4,17 kg/m				
Line Tenacity	Measured	32,11 T/kg/m	Maximum	===	T/kg/m
	D/d Ratio : 5		D/d Ratio : 10		
Angled Break Force	Under testing		Under testing		
Angled Endurance	Under testing		Under testing		
Axial Compression Ristance(ACR)	Under testing				
Test LDBF(%)	10	20	30	40	50
Average Immediate Strain(e)	1,7	2,9	3,7	4,8	6,0

	-20°C	0°C	20°C	40°C	60°C	80°C
Temperrature % BF at 20°C	Under testing					

Line description :

- HI-MAN 8-st. 96mm×220m with 1.8M eyes on both ends

