



**BUREAU  
VERITAS**

Marine & Offshore  
Division

Certificate number: 145G/RJN/15

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## CERTIFICATE FOR ROPE (NON METALLIC) AND ACCESSORIES

**Manufacturer** : LANKHORST EURONETE BRASIL IND. E COM. LTDA. (Queimados - RJ - BRA)  
**Requirements** : NR216 - Rules on Materials and Welding for the Classification of Marine Units

**Product description** : BR POLIPROPILENO 64 mm (8")  
**Design review** : Reference(s) : NOT IN THE SYSTEM  
**Quantity** : 15 coil

**Type** : Fibre Rope  
**Material** : Polypropylene  
**External diameter** : 64mm  
**Number of strands** : 8  
**Minimum breaking load** : 657.27 kN  
**Tensile strength resulting** : 762.43 kN  
**Length per coil** : See attached certificate  
**Gross weight** : See attached certificate  
**Serial numbers** : See attached certificate  
**Scope of inspection** : Visual and dimensional examination  
: Witnessing of linear density measurement  
: Witnessing of breaking load test

**Enclosures / Remarks** : Manufacturer's test report 201500851 filed in the system  
Fabrication: ABNT NBR ISO 1346/2013  
Inspection: ABNT NBR ISO 2307

This certificate is issued by Bureau Veritas as per the above Classification Rules and in compliance with the applicable technical requirements therein.

**Marking** : 8/ 145G/RJN/15  
**Last survey** : 28 Sep 2015  
**Surveyor** : Lando Ribeiro

**Issuance date** : 28 Sep 2015  
**Office** : BV RIO DE JANEIRO



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## CERTIFICATE OF ROPES

Number: LEB\_445\_15

Purchaser Order :1596

Production order: LEB 201500851

### General informations:

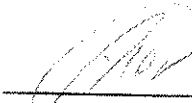
Purchaser : EUROSUL FORNECEDORA DE NAVIOS LTDA  
 Standard : Fabrication: ISO ABNT NBR 1346/2013 Inspection: ABNT NBR ISO 2307 /2012  
 Description : Rope – Ext. diameter 64mm – (8”) 8 Strands  
 Material and Type : Polypropylene  
 Quantity : 15 Coil  
 Minimum Breaking Load : 67.00 ton – 657.27 kN  
 Tensile strength resulting : 77.72 ton – 762.43 kN  
 Scope of Inspection : Visual and dimensional examination  
 : Linear density measurement  
 : Breaking Load  
 Chemical Composition : 100% Polypropylene

### Coils identification:

Serial number	Strap	Weight (kg)	Length (m)
15092800851EN1	702601	403.50	220
15092800851EN1	702602	390.00	220
15092800851EN1	702603	369.50	220
15092800851EN1	702604	389.00	220
15092800851EN1	702605	393.50	220
15092800851EN1	702606	380.00	220
15092800851EN1	702607	425.00	220
15092800851EN1	702608	425.00	220
15092800851EN1	702609	445.00	220
15092800851EN1	702610	462.50	220
15092800851EN1	702611	447.00	220
15092800851EN1	702612	426.50	220
15092800851EN1	702613	435.00	220
15092800851EN1	702614	445.00	220
15092800851EN1	702615	442.00	220
<b>Total:</b>		<b>6.278,50</b>	<b>3.300</b>

The company is certified in ISO 9001:2008 - Certificate validity February 6, 2018

Quality Certificate Issuance date :September, 28<sup>th</sup> 2015.

  
 Alexandre Tomazi  
 Product Coordinator & Quality  
 Lankhorst Euronete Brasil  
 Ind. e Com. Ltda

Signature / Stamp - Quality Control

Inspected thoroughly before re-use  
 Protect ropes sharp and rough surfaces  
 Protect from heat  
 Do not exceed working load limit  
 Do not use damaged ropes

Lankhorst Euronete Brasil – Indústria e Comércio Ltda

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