

## Mooring Line Certificate

Demonstrates that the product has been manufactured, tested & documented following the guidelines in appendix B of the *Mooring Equipment Guidelines, Fourth Edition*.

**Name & Address of Manufacturer** : Kohinoor Ropes Pvt. Ltd. Selu-431 503 Dist. Parbhani, Maharashtra, India

**Line Standard** : Manufactured according to ISO 10556:2009 &  
Tested according to ISO 2307:2019

### Line supply information

|  |                           |                 |                              |
|--|---------------------------|-----------------|------------------------------|
| Ship design MBL                        | -                         | Certificate No. | KRPL/21/08/212440166/03      |
| NSBF                                   | 84.0 M Tons               | Date            | 07-08-2021                   |
| Diameter                               | 68 mm                     | Coil No.        | 215 to 219                   |
| Length                                 | 220 m                     | Reference No.   | KR21-8S02729 to KR21-8S02733 |
| Jacketed                               | No                        |                 |                              |
| Splice type and design                 | Eye (Six Tucks)           |                 |                              |
| Material type and grade                | Polypropylene & Polyester |                 |                              |
| Line design designation (product name) | TECHFLEX LIGHT            |                 |                              |
| Line construction                      | 8-Strand Braided          |                 |                              |
| Rotating                               | Yes                       |                 |                              |

### Performance Indicators

|                                       |                        |                        |                 |                 |                 |              |
|---------------------------------------|------------------------|------------------------|-----------------|-----------------|-----------------|--------------|
| Line Design Break Force (LDBF)        | 83.50 M Tons           |                        |                 |                 |                 |              |
| Line Linear Density (LLD)             | 2295 gm/m              |                        |                 |                 |                 |              |
| Load Bearing Linear Density (LBLD)    | 2295 gm/m              |                        |                 |                 |                 |              |
|                                       | <b>Measured</b>        | <b>Maximum</b>         |                 |                 |                 |              |
| Line Tenacity (LT)                    | 0.0364 M Tons / (gm/m) | 0.0364 M Tons / (gm/m) |                 |                 |                 |              |
|                                       | <b>D/d Ratio:5</b>     | <b>D/d Ratio:10</b>    |                 |                 |                 |              |
| Angled Break Force* (ABF) % Avg NSBF  | 170.68                 | 183.49                 |                 |                 |                 |              |
| Angled Endurance* (AE) % Avg NSBF     | 64.19                  | 69.28                  |                 |                 |                 |              |
|                                       | <b>-20° C</b>          | <b>0° C</b>            | <b>20° C</b>    | <b>40° C</b>    | <b>60° C</b>    | <b>80° C</b> |
| Temperature (T) % BF at 20° C for PP  | 100.49                 | 100.06                 | 100.00          | 99.54           | 99.42           | 98.60        |
| Temperature (T) % BF at 20° C for PES | 101.31                 | 100.63                 | 100.00          | 98.68           | 98.55           | 98.24        |
| Axial Compression Resistance* (ACR)   | 100.59% Avg NSBF       |                        |                 |                 |                 |              |
|                                       | <b>%LDBF:10</b>        | <b>%LDBF:20</b>        | <b>%LDBF:30</b> | <b>%LDBF:40</b> | <b>%LDBF:50</b> |              |
| Average Immediate Strain* (e)         | 6.59                   | 7.55                   | 8.53            | 9.45            | 10.50           |              |

### Line Description

8 Strand TECHFLEX LIGHT Rope, White Color With 2 Red Tracer, With 1.8 mtr Eye-Splicing Wrapped With Canvas At Both Ends, UV Resistant



QC Incharge