

TEST REPORT NO. CCC/244.418/12

SAFETY NET

MULTIPLE TESTS

CLIENT: **EQUIPESCA EQUIPAMENTOS DE PESCA LTD.**
Located at Rua Henrique Veiga, nº 41 – Faz. Santa Genebra
13080-290 – Campinas-SP
Ref.: (57.759)

1. IDENTIFICATION OF THE SAMPLE(S) SUPPLIED BY THE CLIENT.

01 (one) safety net submitted to the central laboratory of L.A. Falcão Bauer on June 14, 2012, with the following sample description:

Manufacturer:	EQUIPESCA EQUIPAMENTOS DE PESCA LTD.
Accessories:	Twisted polyethylene twine of 4 mm.
	Plastic anchors of 8 mm size and 40 mm length with galvanized steel hooks.
	Attachment spacing between hooks and corners of 300 mm.
Installation:	Carried on by the client, total of 18 meshes (longitudinal and transverse)

2. TEST METHOD(S).

2.1. NBR 16.046-1:2012 – Safety nets for construction applications - Part 1: Manufacturing of safety nets

3. RESULT(S)

3.1 Impact resistance

Energy (J)	Occurrences	NBR 16.046-1:2012 requirements
600	Slippage of hook and anchor at the central bottom part of the frame	Support an impact of 600 J



Fig. 01 – Picture of the testing frame before the test



Fig. 2 – Details of hook and anchor slippage at the central bottom part of frame

The results shown in this document refer only to the sample(s) tested.
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4. COMMENTS

- 4.1 The net was attached to a masonry block wall frame measuring 1200 x 1200 mm.
- 4.2 As stated in standard NBR 16.046-1:2012, the net should be capable of supporting an impact energy of 600 J. The falling height was therefore 1500 mm. If the falling height applied was 1200 mm/min, as stated in the standard, there would be lesser impact energy, as expressed by the following equation:

Potential energy = mass x gravitational acceleration x height raised

$$\text{Potential Energy} = 40 \times 10 \times 1,2$$

$$\text{Potential Energy} = 480 \text{ J}$$

At an impact height of 1200 mm, the mass of the test load should be 50 kg, as expressed by the above-mentioned equation:

$$600 = \text{mass} \times 10 \times 1,2$$


$$\text{mass} = 50 \text{ kg}$$

5. TESTING DATE (S)

- 5.1. Testing conducted on July 18, 2012.

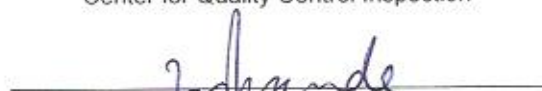
São Paulo, July 19, 2012.

L. A. FALCÃO BAUER LTD.
Center for Quality Control Inspection


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