

Minutes of the Meeting for Technical Specification of Long Lasting Insecticidal Nets (LLINs) under NVBDCP

23.07.2014

WHOPEs recommended Long Lasting Insecticidal Nets. Must be registered in India with Central Insecticide Board (CIB) under Insecticide Act 1968.

Dimensions

The LLINs shall conform to the following dimensions:-

Size I

Length : 180 ± 5cm
Width : 100 ± 4cm
Height : 150 ± 5cm

Size II

Length : 180 ± 5cm
Width : 130 ± 5cm
Height : 150 ± 5cm

Size III

Length : 180 ± 5cm
Width : 160 ± 5cm
Height : 150 ± 5cm

Additional Requirements

Gram per square meter : Minimum 40
Denier : Minimum 100
Bursting strength : HDPE/Polyester - minimum 350 Kpa
Mesh size : HDPE/Polyester - minimum 50 holes per sq. inch
Colour : Pink/Yellow/Blue/Khaki/White
Wash Resistance : Minimum 20 washes
Shelf life : Minimum 3 years

Deepankar Bhattacharya
Approved
23/7/2014

[Signature]
23.7.14

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K. R. H.

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Aash

[Signature]

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S. Y. K. Sharma
23.7.14

MANUFACTURE AND WORKMANSHIP

(i) Wall and Top

The top shall be made from single joint piece of netting for all sizes of mosquito nets. The wall shall be made from one piece of netting and shall be closed with lapped seam and the seam shall be at one of the corners. One edge of the netting of the wall shall be attached to the netting at the top by means of a plain seam.

(ii) Tying Loops

The nets shall be provided with same fabric stitched tying loops six in case of double, family & large family size bed nets. The loop shall be 12-15 mm wide and the loop shall be made of same fabric as of the wall and top.

(iii) Stitching

The nets shall be made with lock stitch of even tension throughout and loose ends securely fastened off. The number of stitches per decimeter shall be 30 to 38. The stitching shall be made by using polyester multifilament sewing thread of matching shade.

Marking

(i) Standard Mark

The LLINs shall bear the Standard Mark-NVBDCP **Supply-Not for Sale** either machine printed or tagged on the top of four side of the net. In case of tags (4 numbers) the size of the tag should be 10X15 cm and would be placed on all four side of top-seam of the net. In case of machine print the print shall be done in a continuing process/ running all along the sides of the net, 10 cm below the top edge.

The following information shall be indelibly marked on cloth label securely stitched at any top corner of the net.

- Size of the net, namely overall length (cm), overall width (cm), overall height (cm).
- Name of fibre/fabric of netting and its variety number.
- Mesh Size.
- Month and year of Manufacturer.
- Any other information mentioned in Contract/PO/Statutory provisions.

The above information along with number of pieces shall also be printed/stenciled on each bale.

Packing:

LLIN should be packed as per CIB policy norms on packaging as per registration of specific product.

Each net shall be provided with one pictorial guideline on A 4 size highlighting DO's and DON'Ts for community awareness on usage of LLINs. The guidelines are to be kept inside of each net package.

Approval
23/7/2014

Dipankar Bhattacharya

[Signature]

K. R. L.

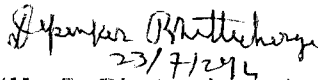
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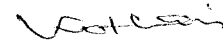
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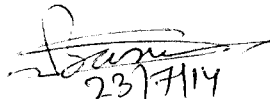
SAMPLING

- As per ISO 2859-1 as amended from time to time with inspection level -I.
- Acceptable Quality Level (AQL) for major defect 4.0 and minor defect 6.5



23/7/2014
(Mr. D. Bhattacharya)
Dy. Assistant Director (Chem.)
CIB, Faridabad


Could not attend as
superannuated
(Dr RM Shukla)
Joint Director (Ent.)
CIB, Faridabad



(Prof. V. K. Kothari)
Emiretus Professor,
Deptt. of Textile, IIT, Delhi

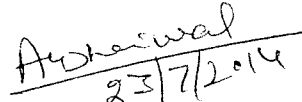

23/7/14
(Sh. S. Basu)
ADC(I), CDSO

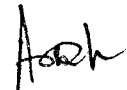
K. Ravi
(Dr. K Raghavendra)
Scientist E, NIMR, Delhi

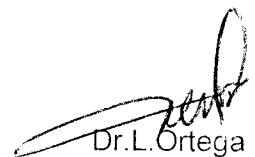

23.7.14
(Shri D Jha)
Director (Proc.), Dte.
GHS, MoHFW, Delhi

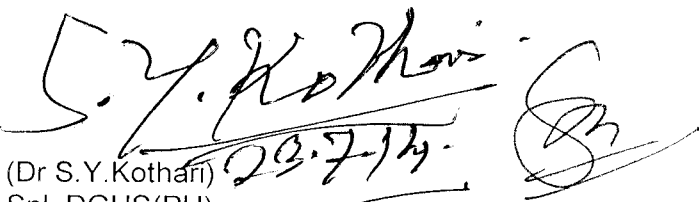

(Dr. B.S. Sharma)
Addl. Director, NCDC


(Dr. R.K. Agarwal)
DDG, MSO


23/7/2014
(Dr A.C. Dhariwal)
Director, NVBDCP


Dr. A.P. Dash
WHO, SEARO


Dr. L. Ortega
WHO, SEARO


23.7.14
(Dr S.Y. Kothari)
Spl. DGHS(PH)