

HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY QUARTERMASTER  
Fort Andres Bonifacio, Metro Manila

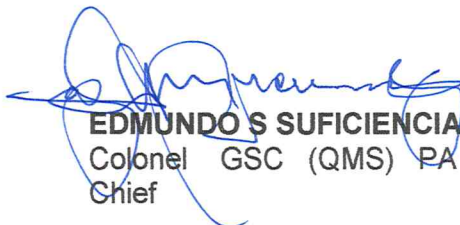
TEST PARAMETERS

LOUSY HAT, PHILARPAT

FEB 11 2019

| TEST PARAMETERS   | QM SPEC NR IC-21LHP<br>Amend 1 dtd 11 Feb 2019   | Classification of Defects |       |
|---|--|---------------------------|-------|
|   |  | Major                     | Minor |
| Sizes, cm   | 53/54/55/56/57/58/59 ( $\pm 0.3$ )   | X                         |       |
| Basic Material, %   | 85 $\pm$ 5 cotton and<br>15 $\pm$ 5 polyester  | X                         |       |
| Pattern   | PHILARPAT as specified in Para 2.2.1.1 and<br>attached illustration of Amendment 1 (Figure 1 to 6) | X                         |       |
| Type of Weave   | Twill with ripstop design  | X                         |       |
| Ripstop Design, cm (L x W)                                | 0.6 $\pm$ 0.1 x 0.6 $\pm$ 0.1  |                           | X     |
| Thread Count/2.54cm                                       |  |                           |       |
| Warp  | 130 (minimum)  |                           | X     |
| Filling   | 70 (minimum)   |                           | X     |
| Yarn Size, Denier (Fine)                                  |  |                           |       |
| Warp  | 160 (minimum)  |                           | X     |
| Filling   | 160 (minimum)  |                           | X     |
| Yarn Size, Denier (Coarse)                                |  |                           |       |
| Warp  | 600 (minimum)  |                           | X     |
| Filling   | 750 (minimum)  |                           | X     |
| Weight, g/m <sup>2</sup>                                  | 200 (maximum)  |                           | X     |
| Thickness, mm   | 0.30 – 0.35  | X                         |       |
| Breaking Strength, kg (Grab Method)                       |  |                           |       |
| Warp  | 70 (minimum)   | X                         |       |
| Filling   | 35 (minimum)   | X                         |       |
| Tearing Strength, kg (Tongue Method)                      |  |                           |       |
| Warp  | 4.5 (minimum)  | X                         |       |
| Filling   | 4.5 (minimum)  | X                         |       |
| Flex Abrasion Resistance (No. of cycles<br>until rupture) |  |                           |       |
| Warp  | 9,000 (minimum)  | X                         |       |
| Filling   | 9,000 (minimum)  | X                         |       |
| Dimensional Change, %                                     |  |                           |       |
| Warp  | 3 (maximum)  | X                         |       |
| Filling   | 3 (maximum)  | X                         |       |
| Colorfastness   | AATCC Gray Scale Rating  |                           |       |
| Laundering  |  |                           |       |
| Change in Color   | Grade 4 (minimum)  | X                         |       |
| Staining  | Grade 4 (minimum)  |                           | X     |

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|----------------------------------|--|---------------------------|-----------|
|                                  |  | Major                     | Minor     |
| Perspiration<br>Change in Color  | Grade 4 (minimum)  | X                         |           |
| Staining                         | Grade 4 (minimum)  |                           | X         |
| Color Quality (Color Difference) | 2 (maximum)  | X                         |           |
| <b>Thread</b>                    | Nylon or Polyester   |                           | X         |
| Color                            | Olive Drab   | X                         |           |
| No. of Ply                       | 2 (minimum)  |                           | X         |
| Yarn Size, Denier                | 220  |                           | X         |
| Breaking Strength, kg            | 1 (minimum)  | X                         |           |
| <b>Slide Keeper</b>              | Made of hard rubber or plastic                                   | X                         |           |
| Color                            | Olive Drab   | X                         |           |
| <b>Chin Strap</b>                | Nylon, Polyester or Olefin Webbing                               | X                         |           |
|                                  | Sewed with bartack   |                           | X         |
| Color                            | Olive Drab   | X                         |           |
| Width, cm                        | 0.8 ± 0.2  |                           | X         |
| Length, cm                       | 60 (minimum)   |                           | X         |
| <b>Belt Strap</b>                | Nylon, Polyester or Olefin Webbing                               | X                         |           |
| Width, cm                        | 1.8 ± 0.2  |                           | X         |
| Color                            | Olive Drab   | X                         |           |
| No. of Straps                    | 13 Straps  | X                         |           |
| Brim                             |  |                           |           |
| Width, cm                        | 5.0 ± 1.0  |                           | X         |
| Stitches for Brim                | 8 lines with a distance evenly distributed                       |                           | X         |
| Stiffener                        | Same fabric as the basic material or equivalent                  | X                         |           |
| <b>Construction</b>              |  |                           |           |
| Holes Ventilating                | Four (4) ventilating holes                                       | X                         |           |
|                                  | Properly sewed at the edges and set as illustrated               |                           | X         |
| Inside Diameter, mm              | 5 – 7  |                           | X         |
| Contractor's Label               | With Contractors Label   | X                         |           |
| Location                         | Imprinted on the inside top portion of the hat                   | X                         |           |
| Type of print                    | using white paint or ink   |                           | X         |
| Size of Label                    | Arial font, size 12  |                           | X         |
| Contents of Label                | LOUSY HAT, PHILARPAT<br>QM SPEC NR<br>Name of Contractor<br>Size |                           | X         |
| <b>Total Test Points</b>         |  | <b>29</b>                 | <b>24</b> |

  
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