

Technical Requirements for  
**TOILET TISSUE PAPER, 2 PLY**

**PRODUCT SPECIFICATIONS**

- Weight (min.): 28gsm
- Sheet Dimensions:
  - Width of sheet ( $\pm 3$ mm): 100mm
  - Length of sheet ( $-5$ mm): 114mm
- Acidity, pH (min.): 6
- Tensile Strength, KN/m (min.):
  - MD : 0.12
  - CD : 0.03
- Absorption time for each sheet using 0.01ml water, sec. (max.): 30
- 100% Recycled pulp
- Paper shall be at least Elemental Chlorine Free (ECF)
- 150 pull per roll (300 sheets), (min.)
- Shall be evenly and firmly wound to form a roll which is sufficiently rigid to withstand normal handling and usage.
- Roll shall be perforated across the full width such that each sheet can be easily torn off along the perforations.
- Toilet tissue shall not have noticeable dust on the surface of sheets.

**EVIDENCE and VERIFICATION**

- **Documentary Evidence to be submitted during Post-qualification:**
  - Certification schemes on the origin of raw materials or evidence of recycled materials from the manufacturer.
  - Technical dossier from the manufacturer with evidence that the Elemental Chlorine Free (ECF) is met.
  - Valid test report from a government laboratory testing center or government accredited private laboratory testing center or third party laboratory testing center. In case there is no available government laboratory center or the required testing method is not available, the test may be conducted by a government accredited private testing center; or if still not available, by a third party laboratory testing center.
    - Valid Test report showing compliance to the following parameters:
      - Weight (min.): 28gsm

- Acidity, pH (min.): 6
  - Tensile Strength, KN/m (min.):
    - MD : 0.12
    - CD : 0.03
  - 100% Recycled pulp
  - Absorption time for each sheet using 0.01ml water, sec. (max.): 30
  - Core as well as any paper wrapping and carton box packaging shall be 100% recycled fiber.
- **A Confirmatory Test during delivery** from a government laboratory testing center or government accredited private laboratory testing center or third party laboratory testing center. In case there is no available government laboratory center or the required testing method is not available, the test may be conducted by a government accredited private testing center; or if still not available, by a third party laboratory testing center.
    - Valid Test report showing compliance to the following parameters:
      - Weight (min.): 28gsm
      - Acidity, pH (min.): 6
      - Tensile Strength, KN/m (min.):
        - MD : 0.12
        - CD : 0.03
      - 100% Recycled pulp
      - Absorption time for each sheet using 0.01ml water, sec. (max.): 30
      - Core as well as any paper wrapping and carton box packaging shall be 100% recycled fiber.
  - **In-house Test:**
    - Determine the sheet dimensions by using a steel ruler:
      - Width of sheet (+/-3mm): 100mm
      - Length of sheet (-5mm): 114mm
    - 150 pull per roll (300 sheets), (min.)
    - Shall be evenly and firmly wound to form a roll which is sufficiently rigid to withstand normal handling and usage.
    - Roll shall be perforated across the full width such that each sheet can be easily torn off along the perforations.
    - Toilet tissue shall not have noticeable dust on the surface of sheets.
  - Two (2) packs of Toilet Tissue Paper and two (2) pieces sample of packaging (box), with marking/labeling shall be provided by the bidder during the submission of additional post-qualification documents for verification of the product specifications.

## PACKAGING

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- Twelve (12) rolls in a pack
- Eight (8) packs in a box
- Core as well as any paper wrapping and carton box packaging shall be 100% recycled fiber.

Handwritten notes in blue ink:

- 8
- 12
- 8
- 12
- 8
- 12

- Cartons shall be strong enough for storage and transit.
- Additional Requirement on Packaging, refer to the attached Annex "A".

## MARKING/LABELING

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- Shall conform with the minimum Marking and Labeling Requirements under Article 77 of Republic Act 7394 (Consumer Act of the Philippines) whichever is/are applicable among those requirements to this item.

## REFERENCES

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- *PNS 73:2004 for the Physical Properties and Dimensional Requirement*