

Technical Requirements for  
**DETERGENT POWDER, ALL PURPOSE**

**PRODUCT SPECIFICATIONS**

- Net Weight (-2.5%): One (1) kilogram
- Chemical Composition:

Requirement	Minimum	Maximum
Moisture & Volatile Matter at 103°C, % w/w	—	25%
Total Active Ingredients, % w/w	10%	—
pH (1% solution w/v at 20°C)	—	11.5
Matter Insoluble in Alcohol, %w/w	—	90%
Matter Insoluble in Water at 60°C ±5°C, %w/w	—	25%
Primary biodegradation, %	80%	—

- Ethylene-Diamine-Tetra-Acetate (EDTA) and AlkylPhenol Ethoxylates (APEO) shall not be detected.
- With adequate instructions for proper usage and disposal.

**EVIDENCE and VERIFICATION**

- **Documentary Evidence to be submitted during Post-qualification:**
  - Material Safety Data Sheet with the following information:
    - With adequate instructions for disposal.
  - Technical dossier from the manufacturer:
    - List of all product chemical components constituting greater than 0.1%
  - 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:
      - Ethylene-Diamine-Tetra-Acetate (EDTA) and AlkylPhenol Ethoxylates (APEO) shall not be detected.
      - Chemical Composition:

Requirement	%Minimum	%Maximum
Moisture & Volatile Matter at 103°C, % w/w	—	25
Total Active Ingredients, % w/w	10	—
pH (1% solution w/v at 20°C)	—	11.5
Matter Insoluble in Alcohol, %w/w	—	90
Matter Insoluble in Water at 60°C ±5°C, %w/w		25
Primary biodegradation, %	80	

- **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:
    - Ethylene-Diamine-Tetra-Acetate (EDTA) and AlkylPhenol Ethoxylates (APEO) shall not be detected.
    - Chemical Composition:

Requirement	%Minimum	%Maximum
Moisture & Volatile Matter at 103°C, % w/w	—	25
Total Active Ingredients, % w/w	10	—
pH (1% solution w/v at 20°C)	—	11.5
Matter Insoluble in Alcohol, %w/w	—	90
Matter Insoluble in Water at 60°C ±5°C, %w/w		25
Primary biodegradation, %	80	

- **In-House Test:**
  - Determine the weight by using the digital weighing scale:
    - Net Weight (-2.5%): One (1) kilogram
- Three (3) plastic pouches (1 kilogram each) with marking/labeling shall be provided by the bidder during the submission of additional post-qualification documents for verification of the product specifications.

## PACKAGING

- One (1) kilogram per plastic pouch  
Twenty-five (25) pouches per sack or Standard Packaging of the Manufacturer.
- Additional requirement on Packaging, refer to the attached Annex "A"

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## 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.
- With adequate instructions for proper usage

## REFERENCES

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- PNS 23:2002

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