# Sieve Analysis Report for Garri Milling

This report presents the sieve analysis results for 1000 kg of milled garri, separated into five particle size categories using standard sieve sizes. The analysis helps to determine the distribution of coarse, medium, fine, and powdery fractions.

## Table 1: Sieve Analysis Results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Sieve Range (mm) | Description | Weight Retained (kg) | % of Total (%) |
| 1 | > 1.0 | Coarse granules | 180 | 18 |
| 2 | 0.85 – 1.0 | Medium–coarse | 260 | 26 |
| 3 | 0.60 – 0.85 | Medium | 340 | 34 |
| 4 | 0.30 – 0.60 | Fine | 170 | 17 |
| 5 | < 0.30 | Dust/powder | 50 | 5 |
|  |  | Total | 1000 | 100 |

## Observations

1. The medium-sized garri fraction (0.60–0.85 mm) is dominant, representing 34% of the total weight, indicating a well-roasted, commercial-grade product.  
2. The fine fraction (< 0.30 mm) accounts for 5%, usually classified as powder or dust.  
3. Coarse particles (> 1.0 mm) form 18% of the total and provide a rough texture preferred in some markets.  
4. The distribution indicates efficient milling and sieving with minimal losses.