

## CALCIUM AMMONIUM NITRATE (N27)

| Product specification                                                                                                     | Monomark standard |
|---------------------------------------------------------------------------------------------------------------------------|-------------------|
| 1. Total amount of nitrogen (N), mass %:                                                                                  | 27.0 ± 0.5        |
| Amount of nitrogen in the form of nitric nitrogen, mass %                                                                 | 13.5 ± 0.5        |
| Amount of nitrogen in the form of ammoniacal nitrogen, mass %                                                             | 13.5 ± 0.5        |
| 2. Total amount of calcium oxide (CaO), mass %                                                                            | 7.0 ± 1.0         |
| Amount of water-soluble calcium oxide (CaO), mass %                                                                       | 3.7 ± 1.0         |
| 3. Total amount of magnesium oxide (MgO), mass %                                                                          | 4.0 ± 1.0         |
| 4. Amount of calcium nitrate (Ca(NO <sub>3</sub> ) <sub>2</sub> ), mass %                                                 | ≤ 0.5             |
| 5. The sum of mass fractions of calcium carbonate and magnesium carbonate (CaCO <sub>3</sub> +MgCO <sub>3</sub> ), mass % | ≥ 19              |
| 6. Average size of granule, mm                                                                                            | ≥ 3.5             |
| 7. Moisture, %                                                                                                            | ≤ 0.3             |
| 8. Granulometry:                                                                                                          |                   |
| A sieve with a mesh size of 5 mm can be used to sift at least % of the product                                            | 95                |
| The mass fraction of granules from 2 mm to 5 mm, %, shall not be less than                                                | 95                |
| 9. Static strength of granules, N/granule (kgf/granule)                                                                   | ≥ 35 (3.5)        |
| NOTE: Calcium ammonium nitrate is covered by anticaking agents.                                                           |                   |