



SICO-AMSUL CR

*Ammonium Sulphate min. 21% N + min. 24% S,
white crystalline (caprolactam grade)
Made in China*

04/2022

1. CHEMICAL FORMULA (NH₄)₂SO₄

State

white crystals

2. PRODUCT SPECIFICATIONS / CERTIFICATE OF ANALYSIS

Chemical analysis	Standard specifications	Results
Total Nitrogen, %	21 % min.	21.15 %
Sulphur, %	24 % min.	24.40 %
Moisture, %	0.5 % max.	0.38 %
Free acids (as H ₂ SO ₄), %	0.08 % max.	0.07 %
As, ppm	10 max.	ND<1
Cd, ppm	20 max.	ND<1
Pb, ppm	100 max.	ND<1
Cr, ppm	200 max.	ND<1
Hg, ppm	0.2 max.	ND<0.1

3. PROPERTIES

White crystal, easily soluble in water. Aqueous solution appears acid. Insoluble in alcohol, acetone and ammonia, Easily deliquescent in the air. White crystal, slight odor of ammonia. Sieve analysis: granulation 0-2 mm, min. 90%

4. USE

Used as material for producing hydrogen peroxide, ammonia alum and ammonium chloride in chemical industry; flux in jointing industries; fireproof agent in textile industry; additive of plating bath in plating industry; nitrogeneous in agricultural industry. Applicable as fertiliser to common soil and crops. Food-grade products are used as dough regulators and yeast nutrition.

5. ADVANTAGES

- * Increases crop productivity.
- * Promotes the plant growth and development
- * Prepares plants to blossoming.

Ammonia nitrogen is not washed out of the soil, is absorbed by plants slowly, enhances plant rooting, supports absorption of phosphorus and limits excess absorption of potassium. An advantage of his fertiliser is the possibility of providing plants with nitrogen and sulphur in spring. The high sulphate sulphur content, perfectly soluble in water, increases the immunity of plants and provides them with sulphur early in spring growth. It is important to remember that the highest, and ever more common, deficiencies of sulphur in soil occur in early spring, after it has been washed out of the soil in winter.

6. COMPATIBILITY

The product can be mixed with highly soluble Urea Phosphate (SICO-UP 17.44.0), Potassium Nitrate (SICO POTASNIT) and Potassium Sulphate (SICO SOLUSOP). **Do not mix with alkaline reaction and Calcium based products.**

7. STORAGE/SHELF LIFE

Always keep the bag closed when not in use. Store out of direct sunlight and damp. Keep out of reach of children. Wash hands after use. Separate nitrites and alkaline substances.

8. PACKING

In 25 kg net pp + pe bags, about 27 MT/20ft container (if loose bags) or 24 MT/20ft container if on pallets of 1200 kg.