

	Technical Data Sheet	
	Compound Chemical Fertilizer SUPERAGRO grade NPK 14:23:14+6S+1B₂O₃	01.01.2018
Manufacturer	Public Joint-Stock Company SUMYKHIMPROM	
Address	40003 Kharkovskaya str., p/o 12, Sumy, Ukraine	
Telephone	+ 38 (0542) 67-42-14	
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Product information

Intended use	Highly efficient fertilizer intended for main application. Is recommended under sunflower, maize, summer rape. Availability of sulphur and boron as micronutrient greatly increase its agrochemical efficiency, substantially expanding the list of crops, respondent to this fertilizer addition. The recommended application norm makes 100-300 kg/ha, depending on agricultural species. Most advantageous is its spring application.
Appearance	Granules, coloured from light-pink to dark-red
Molecular formula	Not applicable. Polycomponent product, representing the blend of: <ul style="list-style-type: none"> • potassium chloride - KCl, • ammonium dihydrogenphosphate - NH₄H₂PO₄, • ammonium sulphate - (NH₄)₂SO₄, • ammonium hydrophosphate - (NH₄)₂HPO₄ • boric acid – H₃BO₃ carbonyldiamide – CH₄N₂O
State registration certificate	Series A No. 02635
Registration numbers under Regulation (EC) No.1907/2006 (REACH)	for KCl – not applied, 01-2119488166-29-0044; 01-2119455044-46-0091; 01-2119490974-22-0042; 01-2119486683-25-0006; 01-2119455044-46-0091.
Guaranteed shelf life	Packed – 2 years from the date of manufacture; unpacked – 6 months from the date of manufacture.
Durability period	Unlimited
Packing	50 kg bags, 1000 kg disposable soft polypropylene containers. Deliveries in bulk are possible.
Storage and handling conditions	Store in original manufacturer's packaging in covered warehouses, preventing from the ingress of atmospheric precipitations and soil waters or product contamination. To prevent risks for humans and environment, keep recommendations on application in agricultural and private sector, conforming to application norms.
Transport information	The cargo is not classified as dangerous under international carriage regulations. The product is transportable by all kinds of vehicles (by railway, road, sea, air) in accordance with carriage regulations, valid for the given kind of shipment. "Keep Dry" sign is mandatory.

Physico-chemical indices

Indices denomination and measuring units	Norm
Total Nitrogen (ammoniacal and amidic), % by wt.	14±1
Total Phosphates in terms of P ₂ O ₅ , % by wt.	23±1
Potassium in terms of K ₂ O, % by wt.	14±1
Water, % by wt., max.	1
Sulphates in terms of Sulphur (S), % by wt., min.	6
Boron in terms of B ₂ O ₃ , % by wt., min.	1
Cadmium (Cd) per P ₂ O ₅ unit, mg/kg, max.	59
Lead (Pb) per P ₂ O ₅ unit, mg/kg, max.	50
Arsenic (As) per P ₂ O ₅ unit, mg/kg, max.	35
Granulometry. Granules, sized: from 1 mm to 5 mm, % by wt., min. under 6 mm, % by wt.	95 100
Static strength of granules, MPa (kgf/cm ²), min.	2,0 (20)
Effective specific activity of natural radioactive nuclides, Bq/kg, max.	1850