

	Technical Data Sheet	
	Compound Chemical Fertilizer SUPERAGRO grade NPK 8:19:29	01.01.2018
Manufacturer	Public Joint-Stock Company SUMYKHIMPROM	
Address	40003 Kharkovskaya str., p/o 12, Sumy, Ukraine	
Telephone	+ 38 (0542) 67-42-14	
Fax	+ 38 (0542) 68-30-05	
E-mail	priyomnaya@sumykhimprom.org.ua	

Product information

Intended use	Compound fertilizer, intended for application in autumn season under main agricultural crops. High Potassium content stipulates its high efficiency if to apply under potatoes, sunflower, maize. All nutrients are present in their water soluble form, which ensures their maximum accessibility for plants. Is additionally enriched with secondary nutrient Sulphur (in sulphate form, accessible for plants). The recommended application norm makes 100-300 kg/ha, depending on agricultural species. Is especially efficient on grey forest soils, dark-grey and typical black soils.
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 - $\text{NH}_4\text{H}_2\text{PO}_4$, • ammonium sulphate - $(\text{NH}_4)_2\text{SO}_4$, • ammonium hydrophosphate - $(\text{NH}_4)_2\text{HPO}_4$
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
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), % by wt.	8±1
Total Phosphates in terms of P ₂ O ₅ , % by wt.	19±1
Potassium in terms of K ₂ O, % by wt.	29±1
Water, % by wt., max.	1
Sulphates in terms of Sulphur (S), % by wt., min.	4
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