



Technical Data Sheet

**Superphosphate
Ammoniated in granules**

01.01.2018

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|---------------------|---|
| 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

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|---|---|
| Intended use | Classic fertilizer, holding nitrogen and phosphorus, amounted to 2-3 and 16-18% accordingly. Is used mostly in autumn period under winter crops sowing. Is recommended for neutral and alkaline soils under all main agricultural crops. |
| Appearance | Granules of grey colour |
| Molecular formula | Not applicable. Polycomponent product, representing the blend of: <ul style="list-style-type: none">• calcium sulphate - CaSO_4,• ammonium dihydrogenphosphate - $\text{NH}_4\text{H}_2\text{PO}_4$,• ammonium sulphate - $(\text{NH}_4)_2\text{SO}_4$,• monocalcium phosphate - $\text{Ca}(\text{H}_2\text{PO}_4)_2$ |
| State registration certificate | Series A No. 02635 |
| Registration numbers under Regulation (EC) No.1907/2006 (REACH) | 02-2119737430-46-0000, 01-2119488166-29-0044, 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 for grades | |
|--|-----------------|-------------|
| | Top quality | First grade |
| Total Nitrogen (ammoniacal), % by wt. | 3± 1 | 2± 1 |
| Total Phosphates in terms of P ₂ O ₅ , % by wt. | 18± 1 | 16± 1 |
| Water, % by wt., max. | 3 | |
| 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 | |