

## MANUFACTURER'S NAME AND ADDRESS

VMU Branch of Uralchem JSC in Voskresensk  
Zavodskaya 1, Voskresensk,  
Moscow Oblast, Russia, 140200  
Tel.: +7 (496) 444-00-92  
Fax: +7 (496) 444-02-73  
E-mail: vmu@uralchem.com

**Water-soluble NPK fertiliser with micronutrients and amino acids**  
**Grades: Universal 18-18-18+3MgO+TE+amino,**  
**Universal 19-19-19+TE+amino, Universal 20-20-20+TE+amino**

UNIVERSAL is excellent the balanced water-soluble fertiliser with micronutrients and amino acid were developed for complex plant feeding at all growth stages. It ensures correct development of plants throughout entire vegetation period. Amino acid in the fertiliser promotes easier penetration of essential nutrients, activate the production of phytohormones by the plant, and also increase the resistance of crops to disease and stress factors (drought, water logging, damage caused by diseases and pests, etc.). The product is made from ecologically clean raw materials and contains no sodium, chlorine and heavy metals. The fertilizer quickly dissolves in water.

	NPK 18-18-18+ 3MgO+TE+amino	NPK 19-19-19+ TE+amino	NPK 20-20-20+ TE+amino
Appearance		Crystal powder	
Total Nitrogen (N), %	18 ± 2	19 ± 2	20
- ammoniacal N (N-NH <sub>4</sub> ), %	3.6 ± 1	8.5 ± 1	4 ± 1
- nitric N (N-NO <sub>3</sub> ), %	5.4 ± 1	10.5 ± 1	6 ± 1
- ureic N (N-NH <sub>2</sub> ), %	9 ± 1	-	10 ± 1
Water-soluble Phosphates (P <sub>2</sub> O <sub>5</sub> ), %	18 ± 2	19 ± 2	20 ± 2
Water-soluble Potassium K <sub>2</sub> O, %	18 ± 2	19 ± 2	20 ± 2
Water-soluble Magnesium MgO, %	3.0 ± 0.5	-	-
Moisture, %, max	1	1	1
Amino acid, %, min	1	1	1
Insoluble, %, max	0.2	0.2	0.2
Microelements (* - in chelated form), %, min:			
- Boron (B)		0.02	
- Copper (Cu)*		0.01	
- Iron (Fe)*		0.10	
- Manganese (Mn)*		0.05	
- Molybdenum (Mo)		0.01	
- Zinc (Zn)*		0.01	
Granulometry: under 6 mm, %	100	100	100
Free flowing, %	100	100	100

## Packaging, transportation and storage:

Packaging: 25 kg bags.

Transportation: by rail, road and water transport.

Storage: store in closed warehouses, excluding the ingress of precipitation and groundwater.



The management system of the production site is certified to ISO 9001, ISO 14001 and ISO 45001