

Ever GRAN – Potassium sulfate (GSOP) 0/0/50

Technical Data Sheet

General Description

EVER GRAN™ Potassium Sulfate (K_2SO_4) is high purity Granules with 50 weight percent K_2O .

It has the following features:

- Granules fertilizer, acidic and soluble in water.

Applications:

EVER GRAN™ Potassium Sulfate (K_2SO_4) can apply to fruit trees orchards before planting or during winter service, or as split application in alluvial and reclaimed soils to feed all kinds of crops, especially during fruit stage to increase fruit size and improving taste, firmness and shelf-life. As a granulated fertilizer; it has a special advantage that its particles don't remain on the leaves and doesn't burn it when spreading by machines. It takes long time to be completely dissolved in soil that make potassium more available for plant for long time and increases the efficiency of applied fertilizer. Rich in Sulfur, which increases the availability of phosphorus and micro elements in soil.

Safety and Handling:

Protective clothing, rubber gloves and eye protections are recommended. Rubber safety boots should also be worn in work areas. This product should be handled in areas with proper ventilation. Before using this product, refer to the MSDS for complete safety and handling guidelines. For proper disposal guidelines for calcium chloride wastes, consult the appropriate local regulatory authorities.

Manufacture Site:

Name of the Manufacture: EVERGROW FOR SPECIALITY FERTILIZERS.

Address of the Manufacture: Seventh Industrial Zone No 7043 – Sadat City – Egypt

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Product Specification

General	
Chemical Formula	K ₂ SO ₄
Appearance	White to Gray Granules
Internal Code	EVER GRAN

Item	Specs	Unit	Test Method	Ref.
Potassium as K ₂ O	50 Min	%	Flam Photometric	ES 2199/2018
Sulfur (S)	17 Min	%	ICP	In house
Chloride (Cl)	2.5 Max	%	Volumetric	ES2199/2018
pH (1 g/ 100 ml H ₂ O)	2.45-3	--	pH meter	Internal
Acidity as H ₂ SO ₄	5.5 Max	--	Volumetric	Acid-Base titration
Moisture Content	0.5 Max	%	Oven	AOAC 950.01
Insoluble Matter	2.5 Max	%	Gravimetric	Internal
Bulk Density	1.04 -1.15	gm/cm ³	Loos pour	IFDC S-111
Hardness	2.5 Min	Kg /gran	Granule crushing strength	IFDC S-115
Arsenic (As)	5 Max	ppm	ICP	AOAC 2006.03
Cadmium (Cd)	3 Max	ppm	ICP	AOAC 2006.03
Lead (Pb)	5 Max	ppm	ICP	AOAC 2006.03
Hexavalent Chromium (Cr)	2 Max	ppm	ICP	EPA 8023
Total chromium (Cr)	10 Max	ppm	ICP	AOAC 2006.03
Mercury (Hg)	0.2 Max	ppm	ICP	EPA 6010 B
Nickel (Ni)	50 Max	ppm	ICP	AOAC 2006.03
Biuret	12 Max	g/kg	Spectrophotometer	In house
Perchlorate	10 Max	ppm	Spectrophotometer	In house
Copper (Cu)	50 Max	ppm	ICP	EPA 6010 B
Zinc (Zn)	50 Max	ppm	ICP	EPA 6010 B

Item	Specs	Unit	Ref.
Particle Size	(+5) mm +(-2)mm	5 Max	dry Sieve
	(-5) mm +(+2)mm	95 Min	

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