

## Ever SOL – Potassium sulfate (SOP) 0/0/50

### Technical Data Sheet

#### General Description

EVER SOL™ Potassium Sulfate ( $K_2SO_4$ ) is a high purity powder with 50 weight percent  $K_2O$ .

It has the following features:

- Powder fertilizer, acidic and soluble in water.

#### Applications:

EVER SOL™ Potassium Sulfate ( $K_2SO_4$ ) is Suitable to be used for fruit trees orchards before planting or during winter service to feed all kinds of crops especially during fruit stage to increase fruit size and improving taste, firmness and shelf-life. Which make potassium more available for plant for long time and increases K-use efficiency. Enhances tolerant of plants against environmental and biotic stresses. Rich in Sulfur, which is an important element for some oil crops such as onion and garlic and increases the availability of phosphorus and micro element to be used in soil.

#### Safety and Handling:

EVER SOL™ Potassium Sulfate ( $K_2SO_4$ ) when in solution is acidic salt solution. 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 SDS (EC number: 231-915-5) for complete safety and handling guidelines.

#### 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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**Technical Data Sheet**

**Product Specification**

General	
Chemical Formula	K <sub>2</sub> SO <sub>4</sub>
Appearance	White Powder
Internal Code	EVER SOL

Item	Specs	Unit	Test Method	Ref.
Potassium as K <sub>2</sub> O	50 Min	%	Flam Photometric	ES 2199/2018
Sulfur (S)	18 Min	%	ICP	In house
Chloride (Cl)	1 Max	%	Volumetric	ES2199/2018
pH (1 g/ 100 ml H <sub>2</sub> O)	2.45-3	--	pH meter	Internal
Acidity as H <sub>2</sub> SO <sub>4</sub>	5.5 Max	--	Volumetric	Acid-Base titration
Solubility in H <sub>2</sub> O	110 Min	g/L	Solubility	Internal
Moisture Content	0.15 Max	%	Oven	AOAC950.01
Insoluble Matter	0.1 Max	%	Gravimetric	Internal
Bulk Density	1.35-1.6	gm./cm <sup>3</sup>	Loose pour	IFDC S-111
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	> 2.0 mm	1 Max	dry Sieve
	> 1.0 mm	5 Max	
	> 0.5 mm	30 Max	
	> 0.1 mm	70 Min	

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