



**PRODUCT INFO  
& DATASHEET**

## SICO®-GRANUSOP 50/18

**Granular sulphate of potash, max 2.5% Cl**  
 min. 50% K<sub>2</sub>O and 18% S, for direct application or bulk blending  
 Origin: Belgium

revised 1/2024

### 1. PRODUCT SPECIFICATIONS/CERTIFICATE OF ANALYSIS

#### **CHEMICAL DATA**

		<u>Typical analysis</u>	<u>Method of analysis</u>
K <sub>2</sub> O	%	50.2	Potentiometric
Cl	%	2.3	Potentiometric
H <sub>2</sub> O	%	0.1	Gravimetric
SO <sub>4</sub>	%	52.3	Ion chromatography
Insol. HCl	%	0.2	Gravimetric
Ca	%	1.4	Atomic absorption
Mg	%	0.08	Atomic absorption
Fe	%	0.04	Atomic absorption
Na	%	0.5	Atomic absorption

#### **PARTICLE SIZE DISTRIBUTION**

		<u>Typical analysis</u>	<u>Method of analysis</u>
<u>Opening</u>			Sieve analysis
	5.00 mm	0.5	
	4.00 mm	18	
	3.15 mm	45	
	2.50 mm	70	
	2.00 mm	88	
	1.60 mm	97	
	0.63 mm	99.5	
1.60 mm <	5.00 mm	96.0	

#### **TYPICAL PHYSICAL PROPERTIES**

Bulk density:	Struck	1.40	Gravimetric
	Loose	1.27	Gravimetric
Angle of Repose:		33.0°	Physical test
Solubility at 25° C		120 g in 1000 ml H <sub>2</sub> O	Gravimetric
Residues (%) in relation to water temperature and stirring time (25g product in 500 ml of water)	<u>Temperature</u>	<u>Stirring time</u>	<u>Residues</u>
	25° C	10 min	3.0
	50° C	10 min	1.8

### 2. ADVANTAGES & BENEFITS

#### \* **Ideal for direct applications or bulk blending**

The granules are produced via a special four-step process. After compacting SOP in powder form into sheets, these are then crushed to produce granules. The granules are carefully sieved to remove over- and undersized particles and then pass into a separate unit for de-dusting. A stream of compressed air removes the dust particles, leaving only the granular product. Finally, the granules are coated with a special inert film, which helps keep them dust-free and ensures that they flow freely.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

**SAP INTERNATIONAL CORPORATION bv Krekelenberg 83, B-2980 Zoersel, Belgium**  
 Tel. +32-3-309.06.51 Email : [info@sico.be](mailto:info@sico.be) Website : [www.sico.be](http://www.sico.be)



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\* **SICO-GRANUSOP for broadcasting & direct application**

- security and flexibility : the properties of SICO GRANUSOP enable both early and late application without the risk of leaching or salt damage to the crop.
- an effective basal or top dressing during early stages of crop growth.
- a dust-free product : the special process used to produce SICO GRANUSOP ensures the fertiliser is virtually dust-free. This ensures minimum operator exposure to dust particles when SICO GRANUSOP is spread on the fields, either mechanically or by hand.
- consistent granulometry – 90% of SICO GRANUSOP particles are between 1.60 mm and 4.50 mm in size, ensuring uniform application.
- spreading range of up to 28 metres.

**3. PACKING**

- 25 kg bags on pallets 26.6 MT/20' or loose about 28 MT/20'
- 25 kg Sico partially transparent pe bags (loose in container = 27.5 MT/20ft or on 20 x 1200 kg pallets = 24 MT/20ft)
- big bags of 1200 kg
- big bags of 1350 kg (2 BB on 1 pallet) = 27 MT/20'
- bulk in 20' container



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