



**PRODUCT INFO  
& DATASHEET**

## SICO®-SOP STANDARD

Sulphate of Potash – standard powder max. 2.5% Cl  
Origin: Belgium

### 1. PRODUCT SPECIFICATIONS/CERTIFICATE OF ANALYSIS

#### **CHEMICAL DATA**

		<u>Typical analysis</u>	<u>Method of analysis</u>	<u>Guaranteed</u>
K <sub>2</sub> O	%	50	Potentiometric	min. 50%
Cl	%	2.1	Potentiometric	max. 2.5%
H <sub>2</sub> O	%	0.5	Gravimetric	
SO <sub>4</sub>	%	52.4	Ion chromatography	
Insol. HCl	%	0.2	Gravimetric	
Ca	%	1.5	Atomic absorption	
Mg	%	0.08	Atomic absorption	
Fe	%	0.04	Atomic absorption	
Na	%	0.5	Atomic absorption	

#### **PARTICLE SIZE DISTRIBUTION**

Tyler Mesh	Opening	<u>Typical analysis</u>	<u>Method of analysis</u>
+ 10	1.65 mm	2	Sieve analysis
+ 16	0.99 mm	9	
+ 28	0.59 mm	15	
+ 35	0.42 mm	18	
+ 65	0.21 mm	37	
+ 150	0.1 mm	73	

#### **TYPICAL PHYSICAL PROPERTIES**

Bulk density:	Struck	1.45	Gravimetric
	Loose	1.15	Gravimetric
Angle of Repose:		32.5°	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	2.5 %
	50° C	10 min	1.8

### 2. PACKING

- 25 or 50 kg net wpp + pe bags (loose bags or palletised)