



**HORTISUL®**

**max. 0.5 % Cl**

**EC FERTILISER**

Sulphate of Potash 52 (+45)

52 % K<sub>2</sub>O, water-soluble potassium oxide

45 % SO<sub>3</sub>, water-soluble sulphur trioxide (= 18 % S)

Version 3.1

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**Chemical Analysis:**

	<b>typical</b>	<b>w</b>
• Potassium Sulphate (K <sub>2</sub> SO <sub>4</sub> )	97.1	%
• Other Sulphates (MgSO <sub>4</sub> , CaSO <sub>4</sub> )	1.7	%
• Chlorides (KCl, NaCl)	0.6	%
• Others, mainly Water of Crystallization	0.4	%
• Moisture	0.2	%
• H <sub>2</sub> O-Insolubles	< 1	%

**Granulometry:**

	<b>typical</b>	<b>w</b>
• Tyler Mesh + 20 > 0.85 mm	4	%
• Tyler Mesh 32 - 20 0.5 - 0.85 mm	23	%
• Tyler Mesh 60 - 32 0.25 - 0.5 mm	42	%
• Tyler Mesh 100 - 60 0.15 - 0.25 mm	18	%
• Tyler Mesh - 100 < 0.15 mm	13	%
• SGN	36	

**Physical Properties:**

• Solubility in water	w (K <sub>2</sub> SO <sub>4</sub> ) = 8.4 %	at 10 °C (50 °F)
	w (K <sub>2</sub> SO <sub>4</sub> ) = 10.0 %	at 20 °C (68 °F)
	w (K <sub>2</sub> SO <sub>4</sub> ) = 11.5 %	at 30 °C (86 °F)
	w (K <sub>2</sub> SO <sub>4</sub> ) = 14.2 %	at 50 °C (122 °F)

**Storage:**

• Bulk Density	ca. 1,560 kg/m <sup>3</sup>	abt. 97 lbs/ft <sup>3</sup>
• Bulk Density (packed)	ca. 1,740 kg/m <sup>3</sup>	abt. 109 lbs/ft <sup>3</sup>
• Angle of Repose	ca. 30 °	

Keep in a dry place and protect from moisture.

**Application:**

HORTISUL® is a virtually chloride-free and highly concentrated grade of Sulphate of Potash with improved potassium content and solubility. It has been specifically developed for fertigation and foliar spray, but due to its low dust content and its granulometry it is also suitable for direct soil application (e.g. for golf courses). For optimum dissolution HORTISUL® should be added under stirring to the respective solution (water, nutrient solution). In order to prevent possible nozzle blockage in irrigation systems it is recommended to use filters or to decant the solution once insolubles have settled.

Our product is made from crude potassium salt of natural origin and is permitted for use in organic farming according to the Regulations (EC) No 834/2007 and (EC) No 889/2008.

® = registered trademark of companies of K+S group

The data given above are based on our continuous quality monitoring system. They do not exempt the users from their obligation to make an incoming control of the delivered product. The data are for information purposes only and are not to be taken as a guarantee. It is the responsibility of the users to determine the product's suitability for its intended use.