Patentkali®

EC FERTILISER

Sulphate of Potash containing Magnesium salt 30 (+10+42.5)
30 % K_2O, water-soluble potassium oxide (= 24.9 % K)
10 % MgO, water-soluble magnesium oxide (6 % Mg)
42.5 % SO_3, water-soluble sulphur trioxide (17 % S)

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Chemical Analysis:	**typical**	**w**
• Potassium Sulphate (K_2SO_4)	50.5	%
• Magnesium Sulphate ($MgSO_4$)	30.5	%
• Other Sulphates ($CaSO_4$, etc.)	1.5	%
• Chlorides (KCl, NaCl)	5.5	%
• Water of crystallisation (H_2O)	12	%
• Cl	<= 3	%

Granulometry:	**typical**	**w**
• > 5.0 mm	2	%
• 2.0 - 5.0 mm	92	%
• < 2.0 mm	6	%
• d_{50}	3.1	

Storage:

• Bulk Density	ca. 1,190 kg/m³
• Bulk Density (packed)	ca. 1,240 kg/m³
• Angle of Repose	ca. 35 °

The product is to be kept dry and covered with a plastic tarpaulin to protect from moisture. Where bulk product is stored, steel joists and columns should be protected from corrosion, as well as the floor and the walls should be furnished with a protective coating. Wooden walls and roof girders have proved to be particularly durable.

Application:

Patentkali® is a highly concentrated fertiliser containing the three nutrients potassium, magnesium and sulphur, all in the sulphate form, in an ideal ratio. All three nutrients are readily water-soluble and immediately available to plants. Patentkali® has a low salt index and is virtually chloride-free (max. 3 %). It is thus an ideal K, Mg and S source for chloride and salt-sensitive crops such as fruits, vegetables, grape-vines, hops, potatoes, sunflowers and forest trees. Patentkali® is effective on all soil types, irrespective of pH. 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.

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