



Technical Data Sheet

Maganit Flakes

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GENERAL DESCRIPTION

Trade name	Maganit Flakes
Chemical name	Magnesium Nitrate Hexahydrate
Chemical formula	$Mg(NO_3)_2 \cdot 6H_2O$
CAS-number	13446-18-9

CHEMICAL SPECIFICATIONS¹

Specification		Unit		
Purity		%	>	98
Nitrogen	N	%	>	11,0
Nitric nitrogen	NO ₃	%	>	11,0
Magnesium oxide	MgO	%	>	16
Magnesium	Mg	%	>	9,5
Sodium chloride	NaCl	%	<	0,32
Chloride	Cl ⁻	ppm	<	20
Lead	Pb	ppm	<	5
Cadmium	Cd	ppm	<	1
Chromium	Cr	ppm	<	5
Arsenic	As	ppm	<	1
Mercury	Hg	ppm	<	1
Water-insolubles		%	<	0,05

PHYSICAL SPECIFICATIONS

Appearance			White flakes
Acidity	5% solution	pH	3-7
Solubility	in water of 20°C	g/l	2250
Density		g/cm ³	1,46
Melting point		°C	89
Shelf life			At least 2 years

¹ Tolerances according to the Fertiliser Product Regulation "FPR" (EU 2019/1009).

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