

PRODUCT SPECIFICATION – FOOD INGREDIENTS

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MAGNESIUM SULPHATE HEPTAHYDRATE FCC

1. PRODUCT IDENTIFICATION

Supplier product name	MAGNESIUM SULPHATE HEPTAHYDRATE FCC		
Supplier product number	13778	Date of issue: 03/12/2024	Replaces: 04/06/2024
Origin	Mineral		
Manufacturer	K+S Kali GmbH		
Country	Germany		
Certification manufacturer:	ISO 9001, HACCP, GMP+		

1.1 Composition

Single ingredient	
Chemical name	Magnesium sulphate heptahydrate, Epsom salt
Chemical formula	MgSO ₄ .7H ₂ O
Molecular weight	246,4746

1.2 Legislative information

CAS-N°	10034-99-8
INTRASTAT CODE	2833210000
EINECS	231-298-2
Legal declaration	

2. PRODUCT INFORMATION

	Unit	Specification	Method
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2.1 Physical and Chemical properties

Appearance		Crystals	
Colour		White	
Odour/taste		-	
Purity (on the ignited basis)	%	99,5	FCC
Assay (MgSO ₄)	wt%	≈ 49,1 (typical value)	
Water (H ₂ O)	wt%	≈ 50,9 (typical value)	
Loss on ignition	%	40,0 – 52,0	FCC

2.2 Microbiological data

N.A.

2.3 Contaminants

2.3.1 Chemical contaminants

Sodium (Na)	ppm	≈ 40 (typical value)	
Potassium (K)	ppm	≈ 230 (typical value)	
Calcium (Ca)	ppm	≈ 60 (typical value)	
Chloride (Cl)	ppm	≈ 80 (typical value)	



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Selenium (Se)	ppm	max. 30	FCC
Lead (Pb)	ppm	max. 4	FCC

2.3.2 Physical contaminants

Foreign body control	Sieve
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2.4 Nutritional Information (Regulation EC 1169/2011)

2.4.1 Nutritional Values

Energy	kJ/100g	-	
Energy	kcal/100g	-	
Protein	g/100g	0	
Carbohydrate	g/100g	0	
Fat	g/100g	0	
Fiber	mg/100g	0	
Water	g/100g	≈ 50,9 (typical value)	

2.4.2 Minerals

Sodium	mg/100g	≈ 4 (typical value)	
Calcium	mg/100g	≈ 6 (typical value)	
Magnesium	mg/100g	≈ 9861 (typical value)	
Potassium	mg/100g	≈ 23 (typical value)	
Chloride	g/100g	≈ 0,008 (typical value)	

3. FOOD INTOLERANCES

3.1 Allergens (Regulation EC 1169/2011 annex II)

	Y / N	Direct Contamination	Cross-Contamination (Risk)
Cereals containing gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridised strains, and products thereof	N	N	N
Crustaceans and products thereof	N	N	N
Eggs and products thereof	N	N	N
Fish and products thereof	N	N	N
Peanuts and products thereof	N	N	N
Soybeans and products thereof	N	N	N
Milk and products thereof (including lactose)	N	N	N
Nuts, namely: almonds (<i>Amygdalus communis</i> L.), hazelnuts (<i>Corylus avellana</i>), walnuts (<i>Juglans regia</i>), cashews (<i>Anacardium occidentale</i>), pecan nuts (<i>Carya illinoensis</i> (Wangenh.) K. Koch), Brazil nuts (<i>Bertholletia excelsa</i>), pistachio nuts (<i>Pistacia vera</i>), macadamia or Queensland nuts (<i>Macadamia ternifolia</i>), and products thereof	N	N	N
Celery and products thereof	N	N	N
Mustard and products thereof	N	N	N
Sesame seeds and products thereof	N	N	N



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Sulphur dioxide and sulphites (> 10 mg/kg or 10 mg/litre SO ₂)	N	N	N
Lupin and products thereof	N	N	N
Molluscs and products thereof	N	N	N

3.2 Suitability for other diets

Coeliacs	Y	Lactose intolerant	Y
Halal	y	Vegans	Y
Kosher	Y	Vegetarian	Y

3.3 GMO Declaration (Regulations EC 1829/2003 and EC 1830/2003)

MAGNESIUM SULPHATE HEPTAHYDRATE FCC does not contain genetically modified organisms and is not produced using raw materials of a genetically modified origin. At no stage during production does the product come into contact with genetically modified organisms.

3.4 Irradiation (Regulations EC 1999/2 and 1999/3)

This product was not subject to any kind of irradiation treatment

3.5 BSE/TSE Declaration

The used ingredients for MAGNESIUM SULPHATE HEPTAHYDRATE FCC are not of animal origin. The processing equipment and the packing material which is used to manufacture, pack or fill the products into the packing units do not come into contact with any meat or meat by-product.

3.6 Residual Solvents, complies with

For the manufacturing of the product, no solvents are used.
This product complies with ICH guideline Q3D on residual solvents.

3.7 Regulatory information

The product complies with: FCC

EC Regulation n° 1881/2006 setting maximum levels for certain contaminants in foodstuffs.

EC Regulation n° 852/2004 on hygienic requirements for the manufacturing of raw materials in the food industry.

4. PACKAGING

Packaging description	Bags (25kg)
Different packagings on request	Yes
Paletisation	1000 kg shrinkwrapped

5. STORAGE CONDITIONS

Storage conditions	Must be kept in a cool, dry and well ventilated environment, in closed original packaging
Shelf life (recommended re-analysis)	60 months after production, under the above mentioned conditions

6. DISCLAIMER

The content of the Product Specification Sheet is completed to the best of our knowledge.
This document does not dismiss the user of his legal obligation with respect to food safety.



DISTRIBUTOR COMPANY INFORMATION

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