

PRODUCT SPECIFICATION – FEED INGREDIENTS

COPPER SULPHATE FINE CRYSTAL + AC FEED

ConnectingChemistry



1. PRODUCT IDENTIFICATION

Supplier product name	COPPER SULPHATE FINE CRYSTAL + AC FEED		
Supplier product number	11760	Date of issue: 22/11/2018	Replaces: 19/02/2018
Origin	Chemical synthesis		
Manufacturer	Several		
Country	Several		
Certification manufacturer:	GMP+		

1.1 Composition

Single ingredient	
Chemical name	Copper sulphate pentahydrate
Chemical formula	$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Molecular weight	249,685

1.2 Legislative information

CAS-N°	7758-99-8
INTRASTAT CODE	283325
EINECS	231-847-6
Legal declaration	Cat 3b/Code E4

2. PRODUCT INFORMATION

	Unit	Specification	Method
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2.1 Physical and Chemical properties

Appearance		Crystalline powder	
Colour		Blue	
Odour/taste		-	
Assay ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	wt%	min. 98,0	
Assay (Cu)	wt%	min. 24,0	
pH		3 - 4	
Granulation	mm	0 – 0,6	



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2.2 Microbiological data

Not available

2.3 Contaminants

2.3.1 Chemical contaminants

Arsenic (As)	ppm	max. 5	
Cadmium (Cd)	ppm	max. 5	
Lead (Pb)	ppm	max. 100	
Mercury (Hg)	ppm	max. 0,1	
Nickel	ppm	max. 100	
Dioxines	ng/kg	max. 1	
DL-PCB	ng/kg	max. 0,35	
NDL-PCB	µg/kg	max. 10	
Precipitated Silica (Anti-caking agent)	%	max. 2,0	

2.3.2 Physical contaminants

Foreign body control	Sieve
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2.4 Nutritional Information (Directive 90/496/EC, amended by 2003/120/EC and 2008/100/EC)

2.4.1 Nutritional Values

Energy	kJ/100g	-	
Energy	kcal/100g	-	
Protein	g/100g	0	
Carbohydrate :	g/100g	0	
Of which Sugars	g/100g	0	
Polyols	g/100g	0	
Starches	g/100g	0	
Others	g/100g	0	
Fat :	g/100g	0	
Of which Saturated	g/100g	0	
Mono-unsaturated	g/100g	0	
Poly-unsaturated	g/100g	0	
Transfatty acids	g/100g	0	



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Cholesterol	mg/100g	0	
Water	g/100g	-	
Organic acid	g/100g	-	

2.4.2 Minerals

Sodium	mg/100g		
Ferrous	mg/100g		
Copper	mg/100g	min. 24000	
Nickel	mg/100g	max. 10	
Phosphorus	mg/100g		
Others:	mg/100g	-	

3. FOOD INTOLERANCES

3.1 Allergens (Directives 2000/13/EC, 2003/89/CE 2007/68/EC)

	Y / N	Direct Contamination	Cross-Contamination (Risk)
Barley	N	N	N
Beef	N	N	N
Cacao	N	N	N
Carrot	N	N	N
Celery and celery products	N	N	N
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt, barley)	N	N	N
Chicken	N	N	N
Coriander	N	N	N
Crustaceans and Shellfish	N	N	N
Eggs and egg products	N	N	N
Fish and fish products	N	N	N
Glutamate	N	N	N
Lupin and products thereof	N	N	N
Milk and milk products (incl. Lactose)	N	N	N
Molluscs and products thereof	N	N	N
Mustard and mustard products	N	N	N
Nuts and nut products (almonds, hazelnuts, walnuts)	N	N	N



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Peanuts and peanut products	N	N	N
Pork	N	N	N
Sesame and sesame products	N	N	N
Soybean and soybean products	N	N	N
Sulphite (E221 - E228)	N	N	N
Sulphur dioxide (> 10 mg/kg)	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, acc. Regulations 298/2008/EC and 1830/2003/EC

COPPER SULPHATE FINE CRYSTAL + AC FEED 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.

COPPER SULPHATE FINE CRYSTAL + AC FEED is falling under the scope of the EC Regulation n° 1829/2003 on genetically modified food and feed and the EC Regulation n° 1830/2003 on the traceability and labeling of genetically modified organisms and the traceability of products derived from them and to modification of Directive 2001/18/EC.

3.4 Irradiation, acc. Directive 1999/2/EC and 1999/3/EC

This product was not subject to any kind of irradiation treatment

3.5 BSE/TSE Declaration

The used ingredients for COPPER SULPHATE FINE CRYSTAL + AC FEED 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 is in compliance with the Guideline CPMP/ICH/283/95 and chapter <467> of the current edition of the USP-NF for residual solvents.

3.7 Regulatory information

The product complies with:

Ph. Eur., USP, FCC, JP
EC Regulation 231/2012/EC on food additives listed in Annexes II and III
EC Regulation n° 1881/2006 setting maximum levels for certain contaminants in foodstuffs.

The production plant complies with:

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



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4. PACKAGING

Packaging description	Bigbags - Bags
Packaging net content	1000/ 1250 - 25 kg
Different packagings on request	Yes
Paletisation	1 bigbag per pallet

5. STORAGE CONDITIONS

Storage conditions	In closed original packaging. Must be kept at a relative humidity of 50% and at a temperature range of 10-30°C in a well-ventilated warehouse.
Shelf life (recommended re-analysis)	36 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.



COMPANY INFORMATION DISTRIBUTOR

name	BRENNTAG N.V.	BRENNTAG Nederland B.V.
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website	www.brenntag.be	www.brenntag.nl
e-mail	info@brenntag.be	info@brenntag.nl
activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
QUALITY SYSTEMS		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO