

AGROLAB LUFA Dr.-Hell-Str. 6, 24107 Kiel

INMATRADE AG
Werftestr. 4
Schweiz
6005 Lucerne
SCHWEIZ

Date 08.09.2020
Customer no. 10074398

REPORT 2773501 - 781266

Order **2773501**
Sample no. **781266**
Sample acceptance **01.09.2020**
Date of sampling **27.08.2020**
Customer sample description **Copper Sulphate Pentahydrate CuSO4**
Manufacturer: CHEMIOLA KIMYA SAN TIC LTD STI
Date of sampling: 27.08.2020
Production date: 27.08.2020
Lot: 213-02

Packaging **Kunststoffbeutel**
Batch/Charge/Lot **213-02**
Manufacturing date **27.08.2020**

Unit Result Declaration Substance Method

Trace elements / Heavy metals / Halogenides

Substance	Unit	Result	Declaration	Substance	Method
Copper (Cu)	%	26,2		OM	DIN EN 15621 : 2017-10
Nickel (Ni)	ppm	4,95		OM	DIN EN 17053 : 2018-03 (mod.)
Cobalt (Co)	ppm	<0,50		OM	DIN EN 17053 : 2018-03
Iron (Fe)	ppm	178		OM	DIN EN 15621 : 2017-10
Chromium (Cr)	ppm	3,77		OM	DIN EN 17053 : 2018-03 (mod.)
Antimony	ppm	<0,50		OM	DIN EN 17053 : 2018-03
Cadmium (Cd)	ppm	<0,20		OM	DIN EN 17053 : 2018-03
Lead (Pb)	ppm	5,00		OM	DIN EN 17053 : 2018-03
Mercury (Hg)	mg/kg	<0,02		OM	DIN EN 16277 : 2012-09 (mod.)
Arsenic (As)	ppm	<0,50		OM	DIN EN 17053 : 2018-03

Polychlorinated Dibenzo(p)-dioxines and -furanes

Substance	Unit	Result	Declaration	Substance	Method
2,3,7,8-Tetra CDD	ng/kg	<0,020		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,7,8-Penta CDD	ng/kg	<0,020		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,7,8-Hexa CDD	ng/kg	<0,050		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,6,7,8-Hexa CDD	ng/kg	<0,050		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,7,8,9-Hexa CDD	ng/kg	<0,050		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,6,7,8-HpCDD	ng/kg	0,59		OM	DIN EN 16215 : 2012-07 (mod.)
Octa CDD	ng/kg	0,93		OM	DIN EN 16215 : 2012-07 (mod.)
2,3,7,8-Tetra CDF	ng/kg	0,041		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,7,8-Penta CDF	ng/kg	0,087		OM	DIN EN 16215 : 2012-07 (mod.)
2,3,4,7,8-Penta CDF	ng/kg	0,235		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,7,8-Hexa CDF	ng/kg	0,20		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,6,7,8-Hexa CDF	ng/kg	0,23		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,7,8,9-Hexa CDF	ng/kg	0,076		OM	DIN EN 16215 : 2012-07 (mod.)
2,3,4,6,7,8-Hexa CDF	ng/kg	0,32		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,6,7,8-Hepta CDF	ng/kg	1,2		OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,7,8,9-Hepta CDF	ng/kg	0,11		OM	DIN EN 16215 : 2012-07 (mod.)
Octa CDF	ng/kg	0,52		OM	DIN EN 16215 : 2012-07 (mod.)

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	Unit	Result Declaration	Substance	Method
TEQ-WHO (upper-bound, Dioxins)	ng/kg	0,23^{xx5)}	OM	Calculation WHO 2005
Dioxinlike PCB (dl-PCB)				
PCB 77	ng/kg	<3,00	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 81	ng/kg	<0,20	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 105	ng/kg	<50,0	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 114	ng/kg	<4,00	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 118	ng/kg	<100	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 123	ng/kg	<2,0	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 126	ng/kg	<0,20	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 156	ng/kg	<10,0	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 157	ng/kg	<2,0	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 167	ng/kg	<5,00	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 169	ng/kg	<0,10	OM	DIN EN 16215 : 2012-07 (mod.)
PCB 189	ng/kg	<2,0	OM	DIN EN 16215 : 2012-07 (mod.)
TEQ-WHO (upper-bound, dl PCB)	ng/kg	0,03^{xx5)}	OM	Calculation WHO 2005
TEQ-WHO total (upper-bound, Dioxins + dl PCB)	ng/kg	0,26^{xx5)}	OM	Calculation WHO 2005

xx5) For each single result below the LOQ, the LOQ was used for the calculation.

Explanation: The symbol "<" or n.d. in the result column means, the substance concerned is not quantifiable at the limit of quantification shown opposite.

Parameter-specific measurement uncertainties and information regarding the method of calculation will be provided upon request if the reported results are above the parameter-specific limit of quantification.

Explanation: OM = on original matter; DM = on dry matter base

Start of testing: 01.09.2020

End of testing: 07.09.2020

The results are related only to the samples tested. In cases where the laboratory has not been responsible for sampling, the reported results apply to the samples as received. Duplication of this document or of parts of it requires the authorization from laboratory. In accordance our agreement in writing in the order confirmation, the results in this test report are in a simplified form in the context of DIN EN ISO/IEC 17025:2018, paragraph 7.8.1.3.



AGROLAB LUFA Herr Dr. Hubert Wehage, Tel. 0431/1228-220
Customer Relations Management feed

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