

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

INMATRADE AG  
Werftestrasse 4  
Schweiz  
6005 Lucerne  
SCHWEIZ

Date 20.03.2020  
Customer no. 10074398

## REPORT 2701341 - 652929

Order **2701341**  
Sample no. **652929**  
Sample acceptance **16.03.2020**  
Date of sampling **13.03.2020**  
Sample code **Copper Sulphate Pentahydrate CuSO4**  
**Manufacturer: CHEMIOLA KIMYA SAN TIC LTD STI**  
**Date of sampling: 13.03.2020**  
**Production date: 13.03.2020**  
**Batch no. 69/02**

Packaging **Kunststoffbeutel**

Unit	Result Declaration	Substance	Method
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### Trace elements / Heavy metals / Halogenides

Substance	Unit	Result Declaration	Substance	Method
Nickel (Ni)	ppm	2,11	OM	DIN EN 17053 : 2018-03 (mod.)
Cobalt (Co)	ppm	<0,50	OM	DIN EN 17053 : 2018-03
Copper (Cu)	%	25,4	OM	DIN EN 15621 : 2017-10
Iron (Fe)	ppm	96,3	OM	DIN EN 15621 : 2017-10
Zinc (Zn)	ppm	284	OM	DIN EN 15621 : 2017-10
Chromium (Cr)	ppm	1,21	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	5,02	OM	DIN EN 17053 : 2018-03
Mercury (Hg)	ppm	<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	0,20	OM	DIN EN 16215 : 2012-07 (mod.)
Octa CDD	ng/kg	0,71	OM	DIN EN 16215 : 2012-07 (mod.)
2,3,7,8-Tetra CDF	ng/kg	<0,020	OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,7,8-Penta CDF	ng/kg	0,023	OM	DIN EN 16215 : 2012-07 (mod.)
2,3,4,7,8-Penta CDF	ng/kg	<0,020	OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,7,8-Hexa CDF	ng/kg	0,068	OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,6,7,8-Hexa CDF	ng/kg	<0,050	OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,7,8,9-Hexa CDF	ng/kg	<0,050	OM	DIN EN 16215 : 2012-07 (mod.)
2,3,4,6,7,8-Hexa CDF	ng/kg	0,092	OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,6,7,8-Hepta CDF	ng/kg	0,55	OM	DIN EN 16215 : 2012-07 (mod.)
1,2,3,4,7,8,9-Hepta CDF	ng/kg	<0,10	OM	DIN EN 16215 : 2012-07 (mod.)
Octa CDF	ng/kg	<0,30	OM	DIN EN 16215 : 2012-07 (mod.)
TEQ-WHO (upper-bound, Dioxins)	ng/kg	0,10 <sup>xx5)</sup>	OM	Calculation WHO 2005

The activities reported in this document are accredited according to DIN EN ISO/IEC 17025:2018. Only not accredited activities are identified by the symbol " \* " .

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www.agrolab.de

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	Unit	Result Declaration	Substance	Method
<b>Dioxinlike PCB (dl-PCB)</b>				
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.)
<b>TEQ-WHO (upper-bound, dl PCB)</b>	ng/kg	<b>0,03<sup>xx5)</sup></b>	OM	Calculation WHO 2005
<b>TEQ-WHO total (upper-bound, Dioxins + dl PCB)</b>	ng/kg	<b>0,13<sup>xx5)</sup></b>	OM	Calculation WHO 2005

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

Explanation: "<" or "n.q." represent the fact that the concentration of the analyte is below the limit of quantification (LOQ).

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: 16.03.2020

End of testing: 20.03.2020

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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