

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

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Schweiz  
6005 Lucerne  
SCHWEIZ

Date 06.12.2021  
Customer no. 10074398

## REPORT 3000218 - 384121

Order 3000218  
Sample no. 384121  
Sample acceptance 01.12.2021  
Date of sampling 23.11.2021  
Customer sample description **Copper Sulphate Pentahydrate CuSO4**  
Production date: 23.11.2021  
Batch number: A-309/02  
Manufacturer: CHEMIOLA KIMYA SAN TIC LTD STI

Packaging **Kunststoffbeutel**  
Batch/Charge/Lot **A-24/02**

Unit Result Declaration Substance Method

### Polychlorinated Dibenzo(p)-dioxines and -furanes

Substance	Unit	Result	Declaration	Substance	Method
2,3,7,8-Tetra CDD	ng/kg	<0,040 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,7,8-Penta CDD	ng/kg	<0,040 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,4,7,8-Hexa CDD	ng/kg	<0,10 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,6,7,8-Hexa CDD	ng/kg	<0,10 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,7,8,9-Hexa CDD	ng/kg	<0,10 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,4,6,7,8-HpCDD	ng/kg	<0,20 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
Octa CDD	ng/kg	0,74		OM	DIN EN 16215 : 2020-05 (mod.)
2,3,7,8-Tetra CDF	ng/kg	0,043		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,7,8-Penta CDF	ng/kg	<0,040 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
2,3,4,7,8-Penta CDF	ng/kg	0,131		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,4,7,8-Hexa CDF	ng/kg	0,16		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,6,7,8-Hexa CDF	ng/kg	0,15		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,7,8,9-Hexa CDF	ng/kg	<0,10 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
2,3,4,6,7,8-Hexa CDF	ng/kg	0,18		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,4,6,7,8-Hepta CDF	ng/kg	0,85		OM	DIN EN 16215 : 2020-05 (mod.)
1,2,3,4,7,8,9-Hepta CDF	ng/kg	<0,20 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
Octa CDF	ng/kg	<0,60 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
TEQ-WHO (upper-bound, Dioxins)	ng/kg	0,23 <sup>xx5)</sup>		OM	Calculation WHO 2005

### Dioxinlike PCB (dl-PCB)

Substance	Unit	Result	Declaration	Substance	Method
PCB 77	ng/kg	<6,00 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 81	ng/kg	<0,40 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 105	ng/kg	<100 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 114	ng/kg	<8,00 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 118	ng/kg	<200 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 123	ng/kg	<4,00 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 126	ng/kg	<0,40 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 156	ng/kg	<100 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 157	ng/kg	<4,00 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)
PCB 167	ng/kg	<100 <sup>PA)</sup>		OM	DIN EN 16215 : 2020-05 (mod.)

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 " \* ) " .

Dr.-Hell-Str. 6, 24107 Kiel, Germany  
www.agrolab.de

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	Unit	Result Declaration	Substance	Method
PCB 169	ng/kg	<0,20 <sup>pa)</sup>	OM	DIN EN 16215 : 2020-05 (mod.)
PCB 189	ng/kg	<4,00 <sup>pa)</sup>	OM	DIN EN 16215 : 2020-05 (mod.)
<b>TEQ-WHO (upper-bound, dl PCB)</b>	ng/kg	<b>0,06<sup>xx5)</sup></b>	OM	Calculation WHO 2005
<b>TEQ-WHO total (upper-bound, Dioxins + dl PCB)</b>	ng/kg	<b>0,29<sup>xx5)</sup></b>	OM	Calculation WHO 2005

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

pa) The detection and quantification limit had been increased because for this analysis matrix a smaller sample volume had to be used.

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 analytical 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: 01.12.2021

End of testing: 06.12.2021

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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