



Eduard Merkle GmbH & Co. KG

Mr. Salzer

Altental 6

89143 Blaubeuren-Altental

Page 1 of 2 pages

Test Report

No. of test report:	0606/17-1
Customer:	Eduard Merkle GmbH & Co. KG Altental 6 89143 Blaubeuren-Altental
Order date:	2017-03-06
Object of analysis:	1 feedingstuff sample
Objective of analysis:	Analysis of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF), dioxin-like polychlorinated biphenyls (PCB), heavy metals (As, Pb, Cd, Hg), Fluoride
Sampling:	by customer
Arrival of sample:	2017-03-07
Procedure of analysis:	PCDD/PCDF, PCB: Commission Regulation (EC) No 152/2009 (amended by No 709/2014) HRGC/HRMS confirmatory analysis; As, Pb, Cd: §64 LFGB L00.00-19/3; Hg: §64 LFGB L00.00-19/4; Fluoride: Internal Method, Coulometric
Time of analysis:	2017-03-07 to 03-21

ÖKOMETRIC GmbH

Bayreuther Institut für
Umweltforschung

The Bayreuth Institute of
Environmental Research

Bernecker Str. 17-21
D-95448 Bayreuth

T | +49 (0) 9 21 / 7 26 33-0
F | +49 (0) 9 21 / 7 26 33-99

info@oekometric.de
www.oekometric.de

Nord / LB Hannover
BIC NOLA DE 2HXXX
IBAN DE 2825050000135025724

Results:

Sample name:		CCN Futterkalk LM 170227EG F00000887-0000000010
Lab-code:		0606/17-1
Parameter	Unit	
PCDD/PCDF* (WHO-TE₂₀₀₅ LOQ incl.)	ng/kg 88% d.w.	0,06
Dioxin-like PCB* (WHO-TE₂₀₀₅ LOQ incl.)	ng/kg 88% d.w.	0,05
Sum of PCDD/PCDF and dioxin-like PCB* (WHO-TE₂₀₀₅ LOQ incl.)	ng/kg 88% d.w.	0,11
Arsenic**	mg/kg	< 0,5
Lead**	mg/kg	0,96
Cadmium**	mg/kg	0,11
Mercury**	mg/kg	0,02
Fluoride**	mg/kg	25

Remarks:

d.w.: dry weight LOQ: limit of quantification *processed by our laboratory site ZfD, Bernecker Str. 19 in Bayreuth (accreditation acc. to DIN EN ISO/IEC 17025:2005, accreditation-No.: D-PL-19418-01) **analysis by accredited partner laboratory

The publication of this test report (even in parts) can be accomplished only by permission of Oekometric GmbH. The results refer exclusively to the tested samples.

Bayreuth, 2017-03-21

Horst Rottler
Unit Management

Michael Heyers

(This report is valid without signature if sent electronically)

Polychlorinated dibenzodioxins and dibenzofurans (PCDD/PCDF)

Sample name: CCN Futterkalk LM 170227EG F00000887-0000000010

Lab-code: 0606/17-1

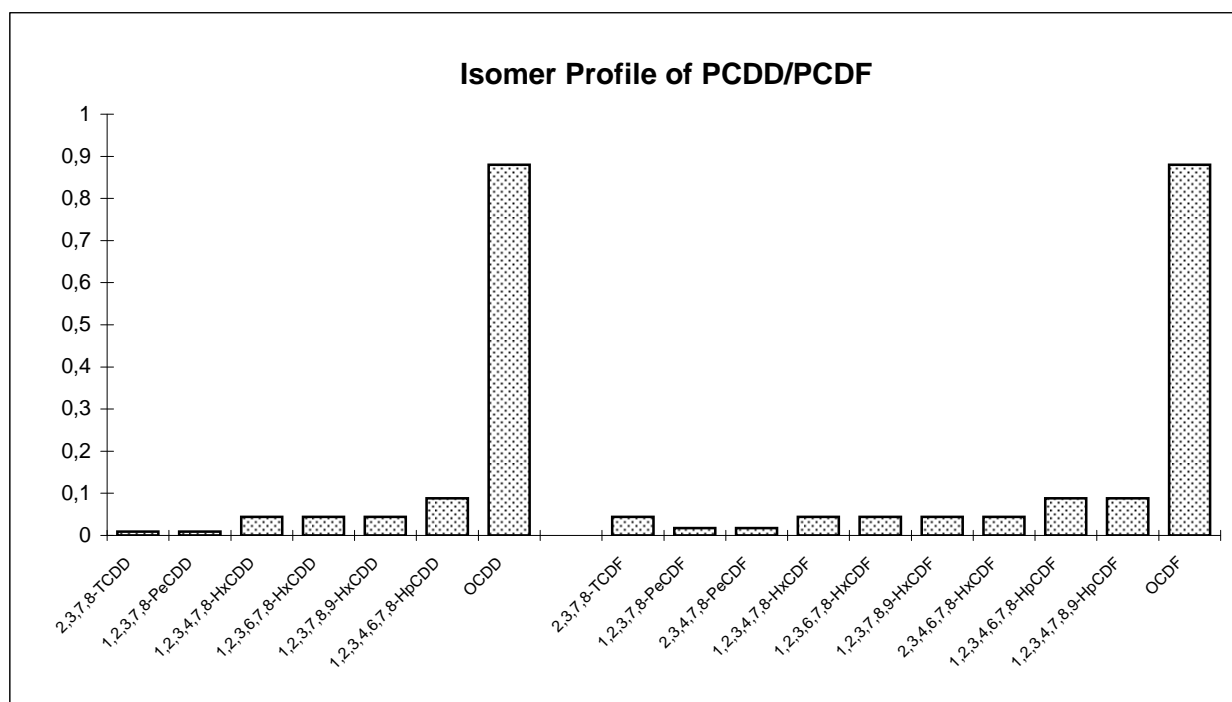
Unit: ng/kg 88% d.w.

2,3,7,8-TCDD	<	0,01
1,2,3,7,8-PeCDD	<	0,01
1,2,3,4,7,8-HxCDD	<	0,04
1,2,3,6,7,8-HxCDD	<	0,04
1,2,3,7,8,9-HxCDD	<	0,04
1,2,3,4,6,7,8-HpCDD	<	0,09
OCDD	<	0,88
2,3,7,8-TCDF	<	0,04
1,2,3,7,8-PeCDF	<	0,02
2,3,4,7,8-PeCDF	<	0,02
1,2,3,4,7,8-HxCDF	<	0,04
1,2,3,6,7,8-HxCDF	<	0,04
1,2,3,7,8,9-HxCDF	<	0,04
2,3,4,6,7,8-HxCDF	<	0,04
1,2,3,4,6,7,8-HpCDF	<	0,09
1,2,3,4,7,8,9-HpCDF	<	0,09
OCDF	<	0,88

WHO-PCDD/F-TE 2005 (LOQ not included: 'lower bound'): 0,00

WHO-PCDD/F-TE 2005 (LOQ included: 'upper bound'): 0,06

(sum of PCDDs and PCDFs expressed in WHO toxic equivalents, using the WHO-TEFs, 2005)



Dioxin-like polychlorinated biphenyls (PCB)

Sample name: CCN Futterkalk LM 170227EG F00000887-0000000010

Lab-code: 0606/17-1

Unit: ng/kg 88% d.w.

PCB 77	<	1,8
PCB 81	<	0,4
PCB 126	<	0,4
PCB 169	<	0,4
PCB 105	<	6
PCB 114	<	3
PCB 118	<	13
PCB 123	<	3
PCB 156	<	3
PCB 157	<	3
PCB 167	<	3
PCB 189	<	3

WHO-PCB-TE 2005 (LOQ not included: 'lower bound'): 0,00

WHO-PCB-TE 2005 (LOQ included: 'upper bound'): **0,05**

(sum of dioxin-like PCBs expressed in WHO toxic equivalents, using the WHO-TEFs, 2005)

