



COMISION ADMINISTRADORA DEL RIO URUGUAY

Se adjunta luego de las copias de los resultados de los análisis efectuados, la lista de sustancias analizadas por el laboratorio INTERTEK, así como los niveles de cuantificación de las técnicas analíticas correspondientes.

Resta aún la obtención de los resultados de los análisis de las muestras remitidas al laboratorio de la Universidad de Buenos Aires, los cuales también serán difundidos por la Comisión.

Ing. Alejandro Arcelus
Secretario Técnico - CARU

ANALYSIS REPORT No. 101215212

DATE: 15.12.2010

PAGE 1/1

Client:



Comisión Adiministradora del Río Uruguay
 Av. Costanera Norte S/N, Paysandu C.C.
 57097 ROU
 URUGUAY

E-Mail: arcelus@caru.org.uy

Our reference no. : PI101207110
 Product : Fish
 Sample description / Batch : ARA-SABALO1 MUSCULO 1 - 16/11/2010 - ARAPEY
 Sample received on / transported by : 06.12.2010 via parcel service Seal : none
 Sample temp. when received / stored : frozen / Freezer -18 °C Sampling by : Client
 Packaging / Quantity : plastic bag / approx. 110 g Start / End of analysis : 07.12.2010 / 15.12.2010

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|---|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification List of analytes and limits of quantification: see list attached to the analysis report | | | |
| (a) : accredited method. (na) : not accredited method. (A) : ASU § 64 LFGB L 00.00-115. This document may only be reproduced in full. The results given herein apply to the submitted sample only. | | | |

Interpretation:

Regarding the examined parameters, the mentioned limits of quantification and considering an expanded measurement uncertainty of 50 % (SANCO/10684/2009), the sample corresponds to the EU-Regulations 396/2005, 149/2008, 260/2008 and 839/2008 dated October 28th, 2008, Regulation (EC) 470/2009 in conjunction with Regulation (EU) 37/2010 (dated Feb. 9th 2010) as well as the German SHmV (Schadstoff-Höchstmengenverordnung) to fulfill the European Regulation 315/93).

Melanie Heinkelein
 Staatl. gepr. Lebensmittelchemikerin / Prüfleiterin



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ANALYSIS REPORT No. 101215213

DATE: 15.12.2010

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Client:



Comisión Adiministradora del Río Uruguay
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E-Mail: arcelus@caru.org.uy

| | | | |
|-------------------------------------|--|-------------------------|---------------------------|
| Our reference no. | : PI101207111 | | |
| Product | : Fish | | |
| Sample description / Batch | : ARA-SABALO1 HIGADO 2 - 16/11/2010 - ARAPEY | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 20 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|--|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification | | | |
| List of analytes and limits of quantification: see list attached to the analysis report | | | |
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ANALYSIS REPORT No. 101215214

DATE: 15.12.2010

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Client:



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E-Mail: arcelus@caru.org.uy

| | | | |
|-------------------------------------|---|-------------------------|---------------------------|
| Our reference no. | : PI101207112 | | |
| Product | : Fish | | |
| Sample description / Batch | : BLE-BOGA1 MUSCULO 3 - 18/11/2010 - B. LEGEREN | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 60 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|--|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification | | | |
| List of analytes and limits of quantification: see list attached to the analysis report | | | |
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Interpretation:

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ANALYSIS REPORT No. 101215215

DATE: 15.12.2010

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Client:



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 URUGUAY

E-Mail: arcelus@caru.org.uy

| | | | |
|-------------------------------------|---|-------------------------|---------------------------|
| Our reference no. | : PI101207113 | | |
| Product | : Fish | | |
| Sample description / Batch | : CDU-DORADO27 MUSCULO 4 - 19/11/2010 C. DEL URUG | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 110 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|--|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification | | | |
| List of analytes and limits of quantification: see list attached to the analysis report | | | |
| (a) : accredited method. (na) : not accredited method. (A) : ASU § 64 LFGB L 00.00-115. | | | |
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Interpretation:

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ANALYSIS REPORT No. 101215216

DATE: 15.12.2010

PAGE 1/1

Client:



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E-Mail: arcelus@caru.org.uy

| | | | |
|-------------------------------------|--|-------------------------|---------------------------|
| Our reference no. | : PI101207114 | | |
| Product | : Fish | | |
| Sample description / Batch | : NBE-BOGA3 MUSCULO 5 - 20/11/2010 - N. BERLIN | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 130 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|--|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification | | | |
| List of analytes and limits of quantification: see list attached to the analysis report | | | |
| (a) : accredited method. (na) : not accredited method. (A) : ASU § 64 LFGB L 00.00-115. | | | |
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Interpretation:

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ANALYSIS REPORT No. 101215217

DATE: 15.12.2010

PAGE 1/1

Client:



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| | | | |
|-------------------------------------|---|-------------------------|---------------------------|
| Our reference no. | : PI101207115 | | |
| Product | : Fish | | |
| Sample description / Batch | : NBE-DORADO13 MUSCULO 6 - 20/11/2010 - N. BERLIN | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 110 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|--|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification | | | |
| List of analytes and limits of quantification: see list attached to the analysis report | | | |
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ANALYSIS REPORT No. 101215218

DATE: 15.12.2010

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Client:

80120711601
PA66884

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| | | | |
|-------------------------------------|--|-------------------------|---------------------------|
| Our reference no. | : PI101207116 | | |
| Product | : Fish | | |
| Sample description / Batch | : NBE-DORADO13 HIGADO 7 - 20/11/2010 - N. BERLIN | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 10 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|---|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification List of analytes and limits of quantification: see list attached to the analysis report | | | |
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ANALYSIS REPORT No. 101215219

DATE: 15.12.2010

PAGE 1/1

Client:



Comisión Administradora del Río Uruguay
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| | | | |
|-------------------------------------|--|-------------------------|---------------------------|
| Our reference no. | : PI101207117 | | |
| Product | : Fish | | |
| Sample description / Batch | : NBE-SABALO1 MUSCULO 8 - 20/11/2010 - N. BERLIN | | |
| Sample received on / transported by | : 06.12.2010 via parcel service | Seal | : none |
| Sample temp. when received / stored | : frozen / Freezer -18 °C | Sampling by | : Client |
| Packaging / Quantity | : plastic bag / approx. 90 g | Start / End of analysis | : 07.12.2010 / 15.12.2010 |

ANALYSIS REQUESTED: Organochlorine Pesticides and PCB by Gas Chromatography

| Analyte(s) | Result | Unit | Method |
|--|--------|-------|-------------|
| Organochlorine Pesticides | n.d. | mg/kg | GC (na) (A) |
| PCB | n.d. | mg/kg | GC (na) (A) |
| n.d. - not detected < limit of quantification | | | |
| List of analytes and limits of quantification: see list attached to the analysis report | | | |
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Screening of Polychlorinated biphenyls (PCBs) in Fish by GC-MS/MS,
Limits of Quantification (LOQ) (Nov. 30th 2010)

| Substance | GC-MS/MS LOQ [mg/kg] |
|-----------|-------------------------|
| PCB 28 | 0.005 |
| PCB 52 | 0.005 |
| PCB 95 | 0.005 |
| PCB 99 | 0.005 |
| PCB 101 | 0.005 |
| PCB 105 | 0.005 |
| PCB 110 | 0.006 |
| PCB 118 | 0.005 |
| PCB 138 | 0.009 |
| PCB 146 | 0.008 |
| PCB 149 | 0.005 |
| PCB 151 | 0.005 |
| PCB 153 | 0.005 |
| PCB 170 | 0.007 |
| PCB 177 | 0.006 |
| PCB 180 | 0.008 |
| PCB 183 | 0.006 |
| PCB 187 | 0.008 |

**Pesticides-Screening in Fish (OC),
Limits of quantification (LOQs) (Sept. 1st 2010)**

| Substance | LOQ GC-MS(/MS) [mg/kg] |
|---|-----------------------------------|
| Aclonifen | 0.01 |
| Aldrin | 0.01 |
| Benfluralin | 0.01 |
| Binapacryl | 0.01 |
| Captan | 0.01 |
| Chlorbenzilat | 0.01 |
| Chlordan, α - (cis-) | 0.01 |
| Chlordan, γ - (trans-) | 0.01 |
| Chlordan, Oxy- | 0.01 |
| Chlorfenapyr | 0.01 |
| Chlorfenson | 0.01 |
| Chloroneb | 0.01 |
| Chlorthal-dimethyl | 0.01 |
| Chlorthalonil | 0.01 |
| DDD, o,p'- | 0.01 |
| DDD, p,p'- | 0.01 |
| DDE, o,p'- | 0.01 |
| DDE, p,p'- | 0.01 |
| DDT, o,p'- | 0.01 |
| DDT, p,p'- | 0.01 |
| Dichlobenil | 0.01 |
| Dicloran | 0.01 |
| Dieldrin | 0.01 |
| Endosulfan, alpha- | 0.01 |
| Endosulfan, beta- | 0.01 |
| Endosulfansulfate | 0.01 |
| Endrin | 0.01 |
| Fenson | 0.01 |
| Fluchloralin | 0.01 |
| Hexachlorocyclohexane (HCH), α - | 0.01 |
| Hexachlorocyclohexane (HCH), β - | 0.01 |
| Hexachlorocyclohexane (HCH), δ - | 0.01 |
| Heptachlor | 0.01 |
| Heptachloroepoxide, cis- | 0.01 |
| Heptachloroepoxide, trans- | 0.01 |
| Hexachlorobenzene (HCB) | 0.01 |
| Iprodion | 0.01 |
| Isodrin | 0.01 |
| Lindan (γ -HCH) | 0.01 |
| Methoxychlor | 0.01 |
| Mirex | 0.01 |
| Nitrapyrin | 0.01 |
| Nitrofen | 0.01 |
| Pendimethalin | 0.01 |
| Pentachloranilin | 0.01 |
| Profluralin | 0.01 |

| Substance, continued | LOQ GC-MS(/MS) [mg/kg] |
|--------------------------------|-----------------------------------|
| Quintozen | 0.01 |
| S421 (Octachlorodipropylether) | 0.01 |
| Tecnazen | 0.01 |
| Tetradifon | 0.01 |
| Tetrasul | 0.01 |
| Triallat | 0.01 |
| Trifluralin | 0.01 |
| Vinclozolin | 0.01 |