

**ANEXO TÉCNICO
ACREDITACIÓN Nº 168/LE399**

Entidad: LABORATORIO REGIONAL DEL GOBIERNO DE LA RIOJA

Dirección: Finca "La Grajera". Ctra. de Burgos Km. 6; 26071 Logroño (La Rioja)

Norma de referencia: UNE-EN ISO/IEC 17025: 2005

Título: Ensayos de productos agroalimentarios

Categoría 0 (Ensayos en el laboratorio permanente)

ÁREA QUÍMICA. LÍNEA QUÍMICA ALIMENTARIA

Análisis mediante métodos basados en técnicas gravimétricas y volumétricas

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|--|--|---|
| Aceites vegetales | Grado de acidez por volumetría | Procedimiento interno Met/QA/Aceites/3 |
| | Índice de peróxidos por volumetría | Procedimiento interno Met/QA/Aceites/4 |
| Aceites de oliva vírgenes | Contenido de impurezas insolubles por gravimetría | Procedimiento interno Met/QA/Aceites/7 |
| Piensos Cereales | Humedad por gravimetría | Procedimiento interno Met/QA/Piensos/2 |
| | Cenizas brutas por gravimetría | Procedimiento interno Met/QA/Piensos/3 |
| | Proteína bruta por volumetría (método Kjeldhal) | Procedimiento interno Met/QA/Piensos/4 |
| | Grasa bruta por gravimetría (método Soxhlet) | Procedimiento interno Met/QA/Piensos/5 |
| | Fibra bruta por gravimetría (sistema automatizado) | Procedimiento interno Met/QA/Piensos/6 |

Análisis mediante métodos basados en técnicas coulombimétricas

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|---|--|
| Aceites vegetales | Humedad por valoración coulombimétrica (método de Karl-Fischer) | Procedimiento interno Met/QA/Aceites/8 |

Análisis mediante métodos basados en técnicas de espectroscopía molecular

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|--|--|
| Aceites vegetales | Prueba espectrofotométrica en el ultravioleta: (K_{232} , K_{270} , ΔK) | Procedimiento interno Met/QA/Aceites/5 |

Análisis mediante métodos basados en técnicas de cromatografía líquida

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|---|--|
| Productos vegetales | Nitratos por cromatografía líquida con detector de series de diodos (CL-DAD) ($\geq 28 \text{ mg NaNO}_3/\text{kg}$) | Procedimiento interno Met/QA/Vegetales/1 |

ÁREA QUÍMICA. LÍNEA QUÍMICA DE PRODUCCIÓN

Análisis mediante métodos basados en técnicas gravimétricas y volumétricas

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|--|---------------------------------------|
| Suelos | Materia orgánica oxidable por volumetría (método Walkey-Black) | Procedimiento interno Met/QP/Suelos/2 |

ÁREA QUÍMICA. LÍNEA QUÍMICA DE RESIDUOS

Análisis mediante métodos basados en técnicas cromatográficas

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|-----------------------------|-----------------------|-----------------------------|---------------------------|---------------------------|--------------------|-----------------------------|----------------------|-----------------------------|-------------------|-----------------------------|-----------------------------------|-----------------------------|-------------------------|-----------------------------|---------------------------|-----------------------------|-----------|---------------------------|------------------------|---------------------------|-------------------------|-----------------------------|---------|---------------------------|---|
| Aceite de oliva | Perfil de ácidos grasos por cromatografía de gases con detector de ionización de llama (GC-FID) | Procedimiento interno Met/QR/Aceites/1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="0"> <tr> <td>Ácido Araquidico</td> <td>Ácido Linolenico</td> </tr> <tr> <td>Ácido Behénico</td> <td>Ácido Margárico</td> </tr> <tr> <td>Ácido Eicosenoico</td> <td>Ácido Mirístico</td> </tr> <tr> <td>Ácido Estearico</td> <td>Ácido Oleico</td> </tr> <tr> <td>Ácido Heptadecenoico</td> <td>Ácido Palmítico</td> </tr> <tr> <td>Ácido Lignocérico</td> <td>Ácido Palmitoleico</td> </tr> <tr> <td>Ácido Linoleico</td> <td></td> </tr> </table> | Ácido Araquidico | Ácido Linolenico | Ácido Behénico | Ácido Margárico | Ácido Eicosenoico | Ácido Mirístico | Ácido Estearico | Ácido Oleico | Ácido Heptadecenoico | Ácido Palmítico | Ácido Lignocérico | Ácido Palmitoleico | Ácido Linoleico | | | | | | | | | | | | | | |
| | Ácido Araquidico | Ácido Linolenico | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ácido Behénico | Ácido Margárico | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ácido Eicosenoico | Ácido Mirístico | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ácido Estearico | Ácido Oleico | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ácido Heptadecenoico | Ácido Palmítico | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ácido Lignocérico | Ácido Palmitoleico | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ácido Linoleico | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ceras por cromatografía de gases con detector de ionización de llama (GC-FID) | Procedimiento interno Met/QR/Aceites/2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Estigmastadienos por cromatografía líquida con detector visible ultravioleta (HPLC/UV-VIS) | Procedimiento interno Met/QR/Aceites/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Esteres etílicos por cromatografía de gases con detector de ionización de llama (GC-FID) | Procedimiento interno Met/QR/Aceites/5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orina Aguas de consumo animal | <p>Determinación cualitativa de hormonas anabolizantes por cromatografía líquida con detector de espectrometría de masas (LC-MS/MS)</p> <table border="0"> <tr> <td>17α-Boldenona</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>17β-Boldenona</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>α-Ac.Clormadinona</td> <td>CCα = 1 μg/l</td> </tr> <tr> <td>Dietilestilbestrol</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>Dienestrol</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>Hexestrol</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>α-Ac. Medroxiprogesterona</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>α-Ac. Megestrol</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>α Ac. Melengestrol</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>Taleranol</td> <td>CCα = 1 μg/l</td> </tr> <tr> <td>17β-Trembolona</td> <td>CCα = 1 μg/l</td> </tr> <tr> <td>17α-Trembolona</td> <td>CCα = 0,5 μg/l</td> </tr> <tr> <td>Zeranol</td> <td>CCα = 1 μg/l</td> </tr> </table> | 17 α -Boldenona | CC α = 0,5 μ g/l | 17 β -Boldenona | CC α = 0,5 μ g/l | α -Ac.Clormadinona | CC α = 1 μ g/l | Dietilestilbestrol | CC α = 0,5 μ g/l | Dienestrol | CC α = 0,5 μ g/l | Hexestrol | CC α = 0,5 μ g/l | α -Ac. Medroxiprogesterona | CC α = 0,5 μ g/l | α -Ac. Megestrol | CC α = 0,5 μ g/l | α Ac. Melengestrol | CC α = 0,5 μ g/l | Taleranol | CC α = 1 μ g/l | 17 β -Trembolona | CC α = 1 μ g/l | 17 α -Trembolona | CC α = 0,5 μ g/l | Zeranol | CC α = 1 μ g/l | <p>Procedimiento interno Met/QR/Anabol/1</p> <p><i>(Conforme con la decisión 2002/657/CE)</i></p> |
| 17 α -Boldenona | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 β -Boldenona | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| α -Ac.Clormadinona | CC α = 1 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dietilestilbestrol | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dienestrol | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hexestrol | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| α -Ac. Medroxiprogesterona | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| α -Ac. Megestrol | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| α Ac. Melengestrol | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Taleranol | CC α = 1 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 β -Trembolona | CC α = 1 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 α -Trembolona | CC α = 0,5 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zeranol | CC α = 1 μ g/l | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------------------------------|------------------|-----------------------------|------------------|-------------------|------------------|----------------------|------------------|--|------------------|----------------|------------------|---------------|-----------------|-----------------|-----------------|-----------|------------------|---------------|---------------|----------------|------------------|------------------|------------------|-----------|------------------|------------------|------------------|--|--------|--------|---------|----------------|-----------------|-----------------|-----------------|----------------|---------------|---------------|-----------------|-----------------|--------------|------------------|--------------|------------|---------------|---------------|-----------------|-------------|---------------|-----------------|---------------|---------------|-----------------|-----------------|-----------------|----------|---------------|---------------|---------------|-----------|----------------|----------------|----------------|-----------|-----------------|-----------------|-----------------|--|---------|--------|------|----------------|-----------------|-----------------|-----------------|----------------|---------------|---------------|-------------|-----------------|------------------|------------------|------------------|------------|-----------------|-----------------|-----------------|-------------|-----------------|-----------------|-----------------|---------------|-----------------|-----------------|-----------------|----------|-----------------|-----------------|-----------------|-----------|----------------|----------------|-----------------|-----------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------------|------------|-----------------|-------------|-----------------|---------------|-----------------|----------|-----------------|-----------|--------------|-----------|-----------------|--|
| <p>Leche (ovino, bovino, caprino)</p> <p>Músculo</p> | <p>Antiinflamatorios no esteroideos (AINES) por cromatografía líquida con detector de espectrometría de masas (LC-MS/MS)</p> <p><u>Leche:</u></p> <table border="0"> <tr> <td></td> <td>Ovino</td> <td>Bovino</td> <td>Caprino</td> </tr> <tr> <td>Ác. Tolfenámico</td> <td>(CCα=15,0 µg/Kg)</td> <td>(≥ 25,0 µg/Kg)</td> <td>(CCα=15,0 µg/Kg)</td> </tr> <tr> <td>Diclofenaco</td> <td>(CCα=0,08 µg/Kg)</td> <td>(≥ 0,08 µg/Kg)</td> <td>(CCα=0,08 µg/Kg)</td> </tr> <tr> <td>Fenilbutazona</td> <td>(CCα=1,5 µg/Kg)</td> <td>(CCα=1,5 µg/Kg)</td> <td>(CCα=1,5 µg/Kg)</td> </tr> <tr> <td>Meloxicam</td> <td>(CCα= 4,5 µg/Kg)</td> <td>(≥ 6,0 µg/Kg)</td> <td>(≥ 6,0 µg/Kg)</td> </tr> <tr> <td>Ác. mefenámico</td> <td>(CCα= 3,0 µg/Kg)</td> <td>(CCα= 3,0 µg/Kg)</td> <td>(CCα= 3,0 µg/Kg)</td> </tr> <tr> <td>Naproxeno</td> <td>(CCα= 3,0 µg/Kg)</td> <td>(CCα= 3,0 µg/Kg)</td> <td>(CCα= 3,0 µg/Kg)</td> </tr> </table> <p><u>Músculo:</u></p> <table border="0"> <tr> <td></td> <td>Bovino</td> <td>Equino</td> <td>Porcino</td> </tr> <tr> <td>Ác. 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Mefenámico</td> <td>CCα = 4,0 µg/Kg</td> </tr> <tr> <td>Ác. salicílico</td> <td>CCα = 160 µg/Kg</td> </tr> <tr> <td>Ác. tolfenámico</td> <td>CCα = 20,0 µg/Kg</td> </tr> <tr> <td>Carprofeno</td> <td>CCα = 200 µg/Kg</td> </tr> <tr> <td>Diclofenaco</td> <td>CCα = 2,0 µg/Kg</td> </tr> <tr> <td>Fenilbutazona</td> <td>CCα = 4,0 µg/Kg</td> </tr> <tr> <td>Flunixin</td> <td>CCα = 4,0 µg/Kg</td> </tr> <tr> <td>Meloxicam</td> <td>≥ 11,0 µg/Kg</td> </tr> <tr> <td>Naproxeno</td> <td>CCα = 4,0 µg/Kg</td> </tr> </table> | | Ovino | Bovino | Caprino | Ác. Tolfenámico | (CCα=15,0 µg/Kg) | (≥ 25,0 µg/Kg) | (CCα=15,0 µg/Kg) | Diclofenaco | (CCα=0,08 µg/Kg) | (≥ 0,08 µg/Kg) | (CCα=0,08 µg/Kg) | Fenilbutazona | (CCα=1,5 µg/Kg) | (CCα=1,5 µg/Kg) | (CCα=1,5 µg/Kg) | Meloxicam | (CCα= 4,5 µg/Kg) | (≥ 6,0 µg/Kg) | (≥ 6,0 µg/Kg) | Ác. mefenámico | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | Naproxeno | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | | Bovino | Equino | Porcino | Ác. Mefenámico | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | Ác. salicílico | (≥ 160 µg/Kg) | (≥ 160 µg/Kg) | CCα = 160 µg/Kg | Ác. tolfenámico | (≥ 30 µg/Kg) | CCα = 20,0 µg/Kg | (≥ 30 µg/Kg) | Carprofeno | (≥ 282 µg/Kg) | (≥ 282 µg/Kg) | CCα = 200 µg/Kg | Diclofenaco | (≥ 3,0 µg/Kg) | CCα = 2,0 µg/Kg | (≥ 3,0 µg/Kg) | Fenilbutazona | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | Flunixin | (≥ 6,0 µg/Kg) | (≥ 6,0 µg/Kg) | (≥ 6,0 µg/Kg) | Meloxicam | (≥ 11,0 µg/Kg) | (≥ 11,0 µg/Kg) | (≥ 11,0 µg/Kg) | Naproxeno | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | Caprino | Conejo | Pavo | Ác. Mefenámico | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | Ác. salicílico | (≥ 160 µg/Kg) | (≥ 160 µg/Kg) | ≥ 160 µg/Kg | Ác. tolfenámico | CCα = 20,0 µg/Kg | CCα = 20,0 µg/Kg | CCα = 20,0 µg/Kg | Carprofeno | CCα = 200 µg/Kg | CCα = 200 µg/Kg | CCα = 200 µg/Kg | Diclofenaco | CCα = 2,0 µg/Kg | CCα = 2,0 µg/Kg | CCα = 2,0 µg/Kg | Fenilbutazona | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | Flunixin | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | Meloxicam | (≥ 11,0 µg/Kg) | (≥ 11,0 µg/Kg) | CCα = 8,0 µg/Kg | Naproxeno | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | Ác. Mefenámico | CCα = 4,0 µg/Kg | Ác. salicílico | CCα = 160 µg/Kg | Ác. tolfenámico | CCα = 20,0 µg/Kg | Carprofeno | CCα = 200 µg/Kg | Diclofenaco | CCα = 2,0 µg/Kg | Fenilbutazona | CCα = 4,0 µg/Kg | Flunixin | CCα = 4,0 µg/Kg | Meloxicam | ≥ 11,0 µg/Kg | Naproxeno | CCα = 4,0 µg/Kg | <p>Procedimientos internos Met/QR/AinesLeche/1 Met/QR/AinesMúsculo/1</p> <p>(Conforme a la decisión 2002/657/CE)</p> |
| | Ovino | Bovino | Caprino | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. Tolfenámico | (CCα=15,0 µg/Kg) | (≥ 25,0 µg/Kg) | (CCα=15,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diclofenaco | (CCα=0,08 µg/Kg) | (≥ 0,08 µg/Kg) | (CCα=0,08 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fenilbutazona | (CCα=1,5 µg/Kg) | (CCα=1,5 µg/Kg) | (CCα=1,5 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meloxicam | (CCα= 4,5 µg/Kg) | (≥ 6,0 µg/Kg) | (≥ 6,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. mefenámico | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Naproxeno | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | (CCα= 3,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Bovino | Equino | Porcino | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. Mefenámico | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. salicílico | (≥ 160 µg/Kg) | (≥ 160 µg/Kg) | CCα = 160 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. tolfenámico | (≥ 30 µg/Kg) | CCα = 20,0 µg/Kg | (≥ 30 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carprofeno | (≥ 282 µg/Kg) | (≥ 282 µg/Kg) | CCα = 200 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diclofenaco | (≥ 3,0 µg/Kg) | CCα = 2,0 µg/Kg | (≥ 3,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fenilbutazona | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flunixin | (≥ 6,0 µg/Kg) | (≥ 6,0 µg/Kg) | (≥ 6,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meloxicam | (≥ 11,0 µg/Kg) | (≥ 11,0 µg/Kg) | (≥ 11,0 µg/Kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Naproxeno | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Caprino | Conejo | Pavo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. Mefenámico | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. salicílico | (≥ 160 µg/Kg) | (≥ 160 µg/Kg) | ≥ 160 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. tolfenámico | CCα = 20,0 µg/Kg | CCα = 20,0 µg/Kg | CCα = 20,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carprofeno | CCα = 200 µg/Kg | CCα = 200 µg/Kg | CCα = 200 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diclofenaco | CCα = 2,0 µg/Kg | CCα = 2,0 µg/Kg | CCα = 2,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fenilbutazona | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flunixin | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meloxicam | (≥ 11,0 µg/Kg) | (≥ 11,0 µg/Kg) | CCα = 8,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Naproxeno | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. Mefenámico | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. salicílico | CCα = 160 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ác. tolfenámico | CCα = 20,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carprofeno | CCα = 200 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diclofenaco | CCα = 2,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fenilbutazona | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flunixin | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meloxicam | ≥ 11,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Naproxeno | CCα = 4,0 µg/Kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Grasa perirenal animal</p> | <p>Determinación cualitativa de gestágenos por cromatografía líquida con detector de espectrometría de masas (LC-MS/MS)</p> <table border="0"> <tr> <td>Acetato clormadiona</td> <td>CCα = 0,50 µg/kg</td> </tr> <tr> <td>Acetato medroxiprogesterona</td> <td>CCα = 0,25 µg/kg</td> </tr> <tr> <td>Acetato megestrol</td> <td>CCα = 0,25 µg/kg</td> </tr> <tr> <td>Acetato melengestrol</td> <td>CCα = 0,25 µg/kg</td> </tr> </table> | Acetato clormadiona | CCα = 0,50 µg/kg | Acetato medroxiprogesterona | CCα = 0,25 µg/kg | Acetato megestrol | CCα = 0,25 µg/kg | Acetato melengestrol | CCα = 0,25 µg/kg | <p>Procedimiento interno Met/QR/Gestagenos/1</p> <p>(Conforme a la decisión 2002/657/CE)</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetato clormadiona | CCα = 0,50 µg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetato medroxiprogesterona | CCα = 0,25 µg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetato megestrol | CCα = 0,25 µg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetato melengestrol | CCα = 0,25 µg/kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CCα: Límite de decisión según la Decisión de la Comisión 2002/657/CE (DOCE 17/08/2002).

ÁREA BIOLÓGICA. LÍNEA BIOLOGÍA ALIMENTARIA

Análisis mediante métodos basados en técnicas de aislamiento en medio de cultivo

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|---|--|--|
| Alimentos | Detección y recuento en placa de microorganismos a 30 °C | UNE-EN ISO 4833-1:2013 |
| | Detección y recuento en placa de enterobacterias a 37 °C | ISO 21528-2:2004 |
| | Detección y recuento en placa de <i>Escherichia coli</i> β -glucuronidasa positivo | ISO 16649-2:2001 |
| | Detección y recuento en placa de <i>Bacillus cereus</i> presuntivo | ISO 7932:2004 |
| | Detección y recuento en placa de <i>Listeria monocytogenes</i> | UNE-EN ISO 11290-2:2000 UNE-EN ISO 11290-2:2000/A1:2005 |
| | Detección y recuento en placa de <i>Clostridium perfringens</i> | UNE-EN ISO 7937:2005 |
| | Detección y recuento en placa de estafilococos coagulasa positivo | ISO 6888-1:1999 |
| | Investigación de <i>Listeria monocytogenes</i> | UNE-EN ISO 11290-1:1997 UNE-EN ISO 11290-1:1997/A1:2005 |
| | Investigación de <i>E.coli</i> O157 | UNE-EN ISO 16654:2002 |
| Investigación de <i>Campylobacter</i> spp. | ISO 10272-1:2006 | |
| Hisopos Esponjas | Investigación de <i>Listeria monocytogenes</i> | UNE-EN ISO 11290-1:1997 UNE-EN ISO 11290-1:1997/A1:2005 |
| Alimentos Piensos Superficies de canales Hisopos Esponjas | Investigación de <i>Salmonella</i> spp. | UNE-EN ISO 6579:2003 |
| Heces de animales Calzas Hisopos Esponjas Polvo | Aislamiento e identificación de <i>Salmonella</i> spp. | UNE-EN ISO 6579:2003/A1:2007 |

ÁREA BIOLÓGICA. LÍNEA BIOLÓGÍA ALIMENTARIA

Análisis mediante métodos basados en técnicas de inhibición del crecimiento bacteriano

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|---|---|
| Músculo Riñón Leche | Detección de sustancias inhibidoras del crecimiento bacteriano (técnica de cribado de las cinco placas) | Procedimiento interno Met/BA/Inhibidores/1 |
| Leche | Detección de residuos de inhibidores de crecimiento bacteriano (inhibición de <i>Bacillus stearotherophilus</i>) | Procedimiento interno Met/BA/Inhibidores/2 |

ÁREA BIOLÓGICA. LÍNEA BIOLÓGÍA PECUARIA

Análisis mediante métodos basados en técnicas ELISA

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|---------------------------------|---|---|
| Suero bovino | Detección de anticuerpos frente a leucosis enzoótica bovina por ELISA | Procedimiento interno Met/BP/Leucosis1 |
| Suero porcino | Detección de anticuerpos frente a la proteína gE del virus de Aujeszky por ELISA | Procedimiento interno Met/BP/Aujeszky/1 |
| | Detección de anticuerpos frente a peste porcina africana por ELISA | Procedimiento interno Met/BP/PPA/1 |
| | Detección de anticuerpos frente a peste porcina clásica (PPC) por ELISA | Procedimiento interno Met/BP/PPC/1 |
| | Detección de anticuerpos frente a la enfermedad vesicular porcina (EVP) por ELISA | Procedimiento interno Met/BP/EVP/1 |
| Suero (bovino, ovino y caprino) | Detección de anticuerpos frente a lengua azul por ELISA | Procedimiento interno Met/BP/Lengua azul/1 |

Análisis mediante métodos basados en técnicas de aglutinación

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|---------------------------------|--|---|
| Suero (bovino, ovino y caprino) | Detección de anticuerpos frente a <i>Brucella</i> por rosa de Bengala en placa | Procedimiento interno Met/BP/Brucelosis/1 |

Análisis mediante métodos basados en técnicas de fijación del complemento

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|---------------------------------|--|---|
| Suero (bovino, ovino y caprino) | Detección de anticuerpos frente a <i>Brucella</i> por fijación del complemento | Procedimiento interno Met/BP/Brucelosis/2 |

Análisis mediante métodos basados en técnicas de parasitología

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|--|---|
| Carne fresca y congelada | Detección de larvas de triquina (<i>Trichinella</i> spp.) por digestión péptica y microscopía | Reglamento 2075/2005 Capítulo 1 Anexo I |

ÁREA BIOLÓGICA. LÍNEA BIOLOGÍA ESPECIAL

Análisis mediante métodos basados en técnicas ELISA

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|--|---|--------------------------------------|
| Sistema nervioso central ovino, caprino y bovino | Detección de proteína prion resistente (Pr ^{Press}) por ELISA | Procedimiento interno Met/BE/Prión/4 |

Análisis mediante métodos basados en técnicas PCR

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|--|--|--|
| Sangre entera de bovino, ovino y caprino | Detección de ácidos nucleicos del virus de la Lengua Azul por RT-PCR a tiempo real | Procedimiento interno Met/BE/Lengua azul/1 |
| Hisopos Heces de animales aviares | Detección de ácidos nucleicos del virus de la Influenza aviar por RT-PCR a tiempo real | Procedimiento interno Met/BE/Influenza/1 |

ÁREA BIOLÓGICA. LÍNEA BIOLOGÍA VEGETAL

Análisis mediante métodos basados en técnicas ELISA

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|---|---|
| Vid | Detección del virus del entrenudo corto (GFLV) por ELISA | Procedimiento interno Met/BV/Vid/1 |
| | Detección del virus del enrollado serotipo 3 (GLRaV- 3) por ELISA | Procedimiento interno Met/BV/Vid/2 |
| | Detección del virus del jaspeado (GFKV) por ELISA | Procedimiento interno Met/BV/Vid/3 |
| | Detección del virus del enrollado serotipo 1 (GLRaV-1) por ELISA | Procedimiento interno Met/BV/Vid/4 |
| | Detección del virus del mosaico del arabis (ArMV) por ELISA | Procedimiento interno Met/BV/Vid/5 |
| Material vegetal | Detección de <i>Erwinia amylovora</i> por ELISA | Procedimiento interno Met/BV/E. amylovora/2 |

Análisis mediante métodos basados en técnicas de aislamiento en medio de cultivo

| PRODUCTO/MATERIAL A ENSAYAR | ENSAYO | NORMA/PROCEDIMIENTO DE ENSAYO |
|-----------------------------|---|--|
| Material vegetal | Detección de <i>Erwinia amylovora</i> por microbiología | Procedimiento interno Met/BVE. amylovora/1 |