

issued by

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK



Issue No: 053 Issue date: 13 February 2025

Website: www.cefas.gov.uk

DETAIL OF ACCREDITATION

Assessment Manager: DF



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Cefas, Food Safety
Issue No: 053 Issue date: 13 February 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>FOOD AND FOOD PRODUCTS</p> <p>Bivalve mollusc digestive gland, Soft fruit, leaf stem and bulb vegetables</p> <p>Crustacean Tissue</p> <p>Fish Tissues</p> <p>Fish Tissues</p>	<p><u>Molecular Biology</u></p> <p>Quantification of viral RNA from: Norovirus genogroup I and II Hepatitis A virus</p> <p>Detection and confirmation of white spot syndrome virus (WSSV) DNA (absence or presence)</p> <p>Detection and confirmation of Cyprinid Herpes virus type III (CyHV-3) DNA (absence or presence)</p> <p>Detection and confirmation of Spring Viraemia of Carp virus (SVCV) RNA (absence or presence)</p>	<p>Documented In-house methods:</p> <p>SOP 1330 by real-time reverse transcriptase PCR based on ISO15216-1:2017+Amd 1:2021 using the Stratagene Mx3005P or Applied Biosystems QuantStudio 3 thermal cycler</p> <p>SOP 2076 by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen DNA tissue kit followed by conventional PCR as stated in the WOA Manual of Diagnostic Tests for Aquatic Animals. Products direct sequenced using the ABI BigDye Terminator v3.1 Cycle Sequencing and ABI 3500xl genetic analyser</p> <p>SOP 2152 Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen Virus mini kit or SOP 3152 and EZ-1 DNA Tissue kit, followed by a published PCR method. Products direct sequenced using the ABI BigDye Terminator v3.1 Sequencing Kit and ABI 3500xl genetic analyser</p> <p>SOPs 2063, Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 Advanced XL) with Qiagen Virus mini kit, followed by conventional PCR as stated in the WOA Manual of Diagnostic Tests for Aquatic Animals. Products direct sequenced using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser</p>



2293

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Cefas, Food Safety

Issue No: 053 Issue date: 13 February 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Fish Tissues	<u>Molecular Biology</u> (cont'd) Detection and confirmation of Koi Herpes virus (KHV) DNA (absence or presence)	Documented In-house methods: SOPs 2062. Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen Virus mini kit or SOP 3152 and SOP EZ-1 DNA Tissue kit, followed by conventional PCR as stated in the WOAHP Manual of Diagnostic Tests for Aquatic Animals. Followed by a nested PCR designed in house. Products direct sequencing using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser
Fish tissues	Detection and confirmation of Viral Haemorrhagic septicaemia virus (VHSV) RNA (absence or presence)	SOP 2108 – Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen Virus mini kit, followed by published conventional RT-PCR methods. Products direct sequencing using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser
Fish tissues	Detection and confirmation of Infectious Haematopoietic Necrosis virus (IHNV) RNA (absence or presence)	SOP 2107 - Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen Virus mini kit, followed by conventional RT-PCR as stated in the WOAHP Manual of Diagnostic Tests for Aquatic Animals 2006. Products direct sequencing using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser
Crustacean tissues	Detection and confirmation of Yellow Head Virus (YHV) RNA (absence or presence)	SOP 2171 - Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen RNA Tissue kit, followed by conventional RT-PCR as stated in the WOAHP Manual of Diagnostic Tests for Aquatic Animals. Products direct sequencing using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Cefas, Food Safety

Issue No: 053 Issue date: 13 February 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Fish, Shellfish and Crustacean tissue	<u>Molecular Biology</u> (cont'd) Detection and identification of viruses, bacteria, fungi and parasites (absence or presence)	Documented in-house methods: Tests validated under flexible scope (SOPs 2064 and 2016). Test overview SOP will reference SOPs 2008, 2006, 1537, 2007, 1742, 1546, and will involve robotic extraction, conventional PCR or RT-PCR, products confirmed by direct sequencing using the ABI BigDye terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser
Crustacean tissues	Detection and confirmation of Taura Syndrome Virus (TSV) RNA (absence or presence)	SOP 2170 - Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen RNA Tissue kit, followed by conventional RT-PCR as stated in the WOAHP Manual of Diagnostic Tests for Aquatic Animals. Products direct sequencing using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser
Molluscs tissue	Detection and confirmation of <i>Bonamia ostreae</i> and <i>Bonamia exitiosa</i> DNA (absence or presence)	SOP 3105- Prepared by robotic extraction (Qiagen BioRobot EZ1 or EZ1 advanced XL) with Qiagen DNA Tissue kit, followed by conventional RT-PCR as stated in the WOAHP Manual of Diagnostic Tests for Aquatic Animals. Products direct sequencing using the ABI BigDye Terminator v3.1 Cycle Sequencing Kit and ABI 3500xl genetic analyser
FOOD AND FOOD PRODUCTS BIVALVE MOLLUSCS	<u>Microbiological Tests</u> Enumeration of <i>Escherichia coli</i> Detection of <i>Salmonella</i> spp (excluding <i>S. typhi</i>)	 SOP 1175, based on ISO 16649-3:2015 SOP 1176, based on ISO 6579-1:2017+A1:2020



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Cefas, Food Safety
Issue No: 053 Issue date: 13 February 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD AND FOOD PRODUCTS	<u>Virological Tests</u>	Documented in-house methods in accordance with the following:
Brain, Kidney and Spleen	Isolation and identification of Viral Haemorrhagic Septicaemia virus (VHSV)	SOP's 1248, 1279, 1125 and 1259 by tissue culture and ELISA in accordance with Commission Decision (EU) 2015/1554, as retained and amended in UK legislation (based on WOAHP Manual of Diagnostic Tests for Aquatic Animals)
Brain, Kidney and Spleen	Isolation and identification of Infectious Haematopoietic Necrosis virus (IHNV)	SOP's 1248, 1279, 1125 and 1263 by tissue culture and IFAT in accordance with Commission Decision (EU) 2015/1554, as retained and amended in UK legislation (based on WOAHP Manual of Diagnostic Tests for Aquatic Animals)
Brain, Kidney and Spleen	Isolation and identification of spring Viraemia of Carp (SVC) virus	SOP's 1248, 1279, 1125 and 1259 by tissue culture and ELISA (based on WOAHP Manual of Diagnostic Tests for Aquatic Animals)
Fish tissues (homogenates)	Isolation of Epizootic haematopoietic necrosis virus (EHNV)	SOP's 1248, 1279 and 1125 by tissue culture (BF2 and EPC cells) (based on WOAHP Manual of Diagnostic Tests for Aquatic Animals)
Fish tissue and homogenates	Isolation and identification of Infectious Salmon Anaemia virus (ISAV)	SOPs 1248, 1279, 1125, 1263 & 1268 by tissue culture (TO and SHK cells) and IFAT in accordance with Commission Decision (EU) 2015/1554, as retained and amended in UK legislation (based on WOAHP Manual of Diagnostic Tests for Aquatic Animals)



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Cefas, Food Safety
Issue No: 053 Issue date: 13 February 2025

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BIVALVE MOLLUSC AND CRUSTACEAN TISSUES	<u>Histopathological Tests</u>	Documented in-house methods in accordance with the following:
Bivalve molluscs	Screening for parasites	SOP 1681 and SOP1687. Haematoxylin and Eosin staining using light microscopy based on WOA H Manual of Diagnostic Tests for Aquatic Animals in accordance with Commission Decision (EU) 2015/1554, as retained and amended in UK
Crustacean Tissues	Detection of pathogens and notifiable diseases	SOP 1795 and SOP 1797 Haematoxylin and Eosin staining using light microscopy. based on OIE Manual of Diagnostic Tests for Aquatic Animals in accordance with Commission Decision (EU) 2015/1554, as retained and amended in UK
END		