

PUBLIC HEALTH SERVICE U.S. FOOD AND DRUG ADMINISTRATION OFFICE OF FOOD SAFETY SHELLFISH AND AQUACULTURE POLICY BRANCH 5001 CAMPUS DRIVE COLLEGE PARK, MD 20740-3835 TEL. 240-402-4960/9258/7629, 301-796-0788 CFSANDSSLEOS@FDA.HHS.GOV		
SHELLFISH LABORATORY EVALUATION CHECKLIST Laboratory Quality Assurance		
LABORATORY:		
ADDRESS:		
TELEPHONE:	FAX:	
EMAIL:		
DATE OF EVALUATION:	DATE OF REPORT:	LAST EVALUATION:
LABORATORY REPRESENTED BY:	TITLE:	
LABORATORY EVALUATION OFFICER:	SHELLFISH SPECIALIST:	
OTHER OFFICIALS PRESENT:	TITLE:	
Conformity is noted by a Yes, No, or not applicable (N/A) for each checklist item. Please note that for all N/A indications, you must document the reason why this requirement is N/A. Record comments related to any requirement on the space provided in the summary of nonconformities. All nonconformities must be identified and explained. Quality System must be in place for onsite laboratory evaluation to be scheduled.		
Parts of the Quality Checklist		
Part I	Quality Management: Laboratory Operations and Responsibilities for Quality Systems	
Part II	Quality Assurance: The Process of Documenting and Maintaining a Quality System	
Part III	Quality Control: Documentation for Quality System Defensibility	

PART I – Quality Management: Laboratory Operations and Responsibilities for National Shellfish Sanitation Program Laboratory Quality Systems		
ITEM		
Conformance	References	Quality Assurance Document Version:
1.1 Components of the Laboratory Quality System		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1,3,6,9	1.1.1 The laboratory has an overall Quality System supported by quality management structure, quality assurance processes and quality control functions.
		<i>1.1.1 Observations:</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1,3,6,9	1.1.2 Management and technical structure exist to support the Quality System.
		<i>1.1.2 Observations:</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1,3,6,9	1.1.3 Quality documentation is required by the laboratory. These include a Quality Assurance (QA) Manual (or otherwise named) and Standard Operating Procedures (SOPs) to support the quality assurance process of the laboratory.
		<i>1.1.3 Observations:</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	1.1.4 The documents used to implement the quality assurance process and records used to verify quality control (QC) function of the laboratory are reviewed and controlled.
		<i>1.1.4 Observations:</i>
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	1.1.5 An established process of Quality System assessment and technical proficiency are documented with results retained until the next review.
		<i>1.1.5 Observations:</i>

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	1.1.6 Resolution, management review and prevention of nonconformities are a documented component of the Quality System.
	<i>1.1.6 Observations:</i>	
1.2 Laboratory Management Structure and Quality Systems		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1,3,6,9	1.2.1 The laboratory's structure is clearly organized with supervisory chain delineated.
	<i>1.2.1 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	1.2.2 The laboratory has ensured that its management and personnel are free from any undue internal and external commercial, financial and other pressures and influences that may adversely affect the quality of their work.
	<i>1.2.2 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	1.2.3 The laboratory has documentation of designated quality personnel and/or a designated quality manager with the authority and resources required to implement and maintain the Quality System, ensure adherence to the Quality System, initiate actions to prevent or minimize departures from the Quality System, and monitor all aspects of the Quality System to ensure defensibility. This person has unrestricted access to FDA Shellfish Laboratory Evaluation Officers (LEOs) and the highest levels of the laboratory's management. In the case of a single person laboratory, FDA LEOs will assist with developing a monitoring plan.
	<i>1.2.3 Observations:</i>	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	1.2.4 A documented system is in place to ensure that appropriate review of and communication regarding the elements of the quality system are established among the laboratory staff and laboratory management.
	<i>1.2.4 Observations:</i>	
1.3 Laboratory Personnel and Roles in a Quality System		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1,3, 9	1.3.1 The roles and responsibilities of all personnel are defined in the QA manual, read by all staff and the acknowledgments of these responsibilities are retained.
	<i>1.3.1 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	1.3.2 The laboratory policy and the training procedures for personnel are documented and relevant to the scope of the current activities in the laboratory. If the laboratory intends to add methods to their scope, training SOPs must also be added with successful completion by the analyst(s) that will perform the method(s). In the case of a single person laboratory, method proficiency verification must be retained during the life of the methods use in the laboratory.
	<i>1.3.2 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	1.3.3 The laboratory maintains a personnel file/ record of any relevant authorization(s), qualifications, trainings, and/or proficiencies for each analyst. This information is available upon request as verification of staff training and is retained for all staff until two years after they are no longer employed by the laboratory.
	<i>1.3.3 Observations:</i>	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 9	1.3.4 The laboratory has documented that all personnel involved in testing have read and understand the applicable SOPs and associated quality documentation and implement the policies and procedures required for the performance of their technical function.
	<i>1.3.4 Observations:</i>	
PART II – Quality Assurance: The Process of Documenting and Maintaining a Quality System		
2.1 Quality Assurance Process: QA Manual, SOPs and Document Control		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.1.1 The QA manual includes or references all laboratory SOPs and any supporting procedures, including technical procedures.
	<i>2.1.1 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.1.2 SOPs are controlled documents and include detailed, written instructions to achieve uniformity of test methods and quality control procedures, such that items that might affect the quality or defensibility of the outcome are mitigated.
	<i>2.1.2 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.1.3 SOPs and the QA Manual are controlled documents, such that specific individuals are designated within the laboratory with editorial control. These individuals are identified in the QA Manual.
	<i>2.1.3 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.1.4 Each time an SOP or the QA manual has changed, the new version will be marked as such and will be distributed to the laboratory with older versions removed from circulation.
	<i>2.1.4 Observations:</i>	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.1.5 Staff training requirements are documented in the QA manual and the training procedure is included.
<i>2.1.5 Observations:</i>		
2.2 Quality Manual Items		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.1 Quality Assurance Manual contains: <ul style="list-style-type: none"> <input type="checkbox"/> 1. Table of Contents; <input type="checkbox"/> 2. Organizational chart; <input type="checkbox"/> 3. A description of the Quality System and procedure for implementation and maintenance; <input type="checkbox"/> 4. Policy and procedure for resource management (human resources, competence and training, work environment and safety), description of responsibilities; <input type="checkbox"/> 5. Policy and procedures for rejection criteria; <input type="checkbox"/> 6. Policy and procedures for calibration of equipment and Equipment file items such as maintenance; <input type="checkbox"/> 7. Policy and procedure for traceability and required documentation, <input type="checkbox"/> 8. Policy and procedure for internal audits; <input type="checkbox"/> 9. Policy and Procedure for data analysis and control of nonconforming work; and <input type="checkbox"/> 10. Policy for corrective actions (CAs) and preventative actions (PAs).
<i>2.2.1 Observations:</i>		

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1,3,6,9	2.2.2 The organizational chart clearly depicts laboratory structure with quality and technical personnel listed.
	2.2.2 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.3 The policy for human resources provisions includes hiring and assignment of staff, competence and responsibilities for positions, and a procedure of training for each technical competence, including proficiencies required.
	2.2.3 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9	2.2.4 Policies for work environment and safety protocols, analytical methods, and quality control performed for the National Shellfish Sanitation Program (NSSP) are included or referenced in the QA Manual and provided upon request.
	2.2.4 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.5 A policy regarding appropriate equipment file maintenance and retention (e.g., calibration records, maintenance documentation, manuals of operation) is included in the QA Manual.
	2.2.5 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.6 The SOP for calibration and maintenance of equipment is kept or referenced in the QA Manual and provided upon request.
	2.2.6 Observations:	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.7 The SOP for traceability of analytical results is included or referenced in the QA Manual and shall be provided upon request. This traceability procedure includes a documented procedure for the unique identification of samples and the process for chain of custody verification.
2.2.7 Observations:		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.8 The QA Manual has a policy and a procedure for internal quality audits. These audits are planned and scheduled annually or as needed. The policy states auditors do not audit their own work. In the case of a single person laboratory, FDA LEOs will assist with an audit plan.
2.2.8 Observations:		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.9 The QA Manual contains a policy for data analysis to require that all analyses performed have been carried out correctly, documented, controls were used accurately and the results meet specified requirements.
2.2.9 Observations:		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.10 The QA Manual contains a procedure for the control of nonconforming work in the case of: <ul style="list-style-type: none"> <input type="checkbox"/> a. identification, documentation, evaluation, segregation (where practical), disposition of nonconforming sample/analyte/result and customer notification; <input type="checkbox"/> b. assigning responsibility for the review and the authority for disposition of nonconforming sample/analyte/result; <input type="checkbox"/> c. a nonconforming result correction and the re-verification/ calibration of the affected equipment after the correction to demonstrate conformity (if necessary); and <input type="checkbox"/> d. handling a nonconforming result when it is detected, after delivery to the customer.

	<i>2.2.10 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.11 The QA manual contains a procedure for preventative actions in which laboratory staff identify potential nonconformities in audit results, quality records, or customer complaints through a review process. Steps are then determined to identify preventive actions to implement. The necessary changes are made to SOPs and this exercise is recorded, and records maintained.
	<i>2.2.11 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 6, 9	2.2.12 The QA manual has a policy and a procedure for developing corrective action(s) to eliminate the cause of identified nonconformities in order to prevent recurrence. Corrective actions describe the nonconformities, define the process for evaluating the need for actions to ensure that nonconformities do not recur (root cause analysis), explain the process to implement the corrective action(s) needed, and the resultant outcome. There is also a procedure to monitor progress of any ongoing corrective actions and the resolution.
	<i>2.2.12 Observations:</i>	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9	2.2.13 The QA Manual contains a policy stating laboratory management shall ensure and document the competence of staff independently operating equipment resulting in a documented measurement, analysis result, quality control value/result, determination of value for sample result, and review/closure of corrective action for efficacy.
<i>2.2.13 Observations:</i>		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	2.2.14 The policy for sample rejection criteria includes what the laboratory will accept and reject based on NSSP requirements and chain of custody.
<i>2.2.14 Observations:</i>		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9	2.2.15 The laboratory has sample acceptance procedures that include safe handling, transport, and storage to prevent contamination or deterioration and to protect sample integrity. These procedures are provided to customers.
<i>2.2.15 Observations:</i>		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9	2.2.16 The laboratory has procedures for handling nonconforming samples and who will be contacted in the case of sample rejection.
<i>2.2.16 Observations:</i>		

PART III- Quality Control: Documentation for Quality System Defensibility		
3.1 Documentation		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	3.1.1 The laboratory investigates proficiency testing (PT) programs for areas of continual improvement and actively addresses problematic results through the prescribed corrective action process.
	<i>3.1.1 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9, 10	3.1.2 The laboratory personnel performing sample analyses participate in PT programs and exercises when available. If no PT exists, participation in interlaboratory comparisons is considered.
	<i>3.1.2 Observations:</i>	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 6, 9, 10	3.1.3 Corrections to quality control records, bench sheets and reports follow the requirements below: <ul style="list-style-type: none"> <input type="checkbox"/> a. A single line is drawn through the incorrect information; <input type="checkbox"/> b. The correct information is written next to the incorrect information; <input type="checkbox"/> c. The person responsible for the correction initialed the information; <input type="checkbox"/> d. If not obvious, the reason for correction has been included; and <input type="checkbox"/> e. If corrections are necessary in an electronic document, old information must be retained in some form, the person making the change must be identified, the date of the change noted, and the reason for the change noted.
	<i>3.1.3 Observations:</i>	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 6, 9, 10	3.1.4 All records, required to be retained for two years (or length of time as dictated by State law), are legible and stored in such a way that they are readily retrievable to prevent damage or loss.
	3.1.4 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1	3.1.5 All records and documents must be written in indelible ink.
	3.1.5 Observations:	
3.2 Method Performance Verification		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 6, 9	3.2.1 The laboratory will internally verify new methods to confirm with objective evidence that the intended protocols are demonstrated and outcomes are fulfilled.
	3.2.1 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9	3.2.2 Methodologies do not deviate from the validated/verified method and the laboratory's internal verification remains on file in the laboratory.
	3.2.2 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 6, 9, 10	3.2.3 The laboratory reports the method chosen in writing to the customer.
	3.2.3 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 4, 9	3.2.4 Methodologies are selected and samples are processed based on NSSP requirements, as per the citation in the current Model Ordinance.
	3.2.4 Observations:	

3.3 Environmental Conditions		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 5, 6, 9, 10	3.3.1 Laboratory facilities support accurate test performance, including lighting and environmental conditions such as temperature and humidity.
	3.3.1 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 5, 6, 9, 10	3.3.2 The laboratory monitors, controls, and records environmental conditions as required by the relevant specifications, methods and procedures, or where they influence the outcome of results (e.g., biological sterility, dust, humidity, electrical supply, temperature, vibration).
	3.3.2 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.3.3 Laboratory personnel stop testing when the environmental conditions jeopardize the results of analyses.
	3.3.3 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.3.4 Personnel ensure good housekeeping in the laboratory.
	3.3.4 Observations:	
3.4 Equipment		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.4.1 The laboratory has instructions and/or SOPs on the use and operation of all relevant equipment and the handling and preparation of items for testing, where the absence of such could jeopardize the outcome of analysis or influence results.
	3.4.1 Observations:	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9, 10	3.4.2 All equipment in the laboratory is labelled with the manufacturer's name, identification number, and serial number or other unique identification that is traceable.
	3.4.2 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9, 10	3.4.3 Equipment files contain reports and certificates of all calibrations, the due date of next calibration, dates and results of any maintenance, adjustments, damage, malfunction, and modification or repair to the equipment.
	3.4.3 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 2, 9, 10	3.4.4 If equipment (e.g., thermometer, balance) was sent out of the laboratory for service, performance has been verified prior to use again in the laboratory.
	3.4.4 Observations:	
3.5 Temperature Measuring Devices		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 2, 8, 9, 10	3.5.1 Unique identifier, verification or calibration date and any correction factor is recorded on each in use temperature measuring device (TMD).
	3.5.1 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 2, 8, 9, 10	3.5.2 TMDs are calibrated and verified as per NSSP requirements.
	3.5.2 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 8	3.5.3 TMDs calibration certificates are retained for three consecutive calibration cycles (as applicable).
	3.5.3 Observations:	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 8, 9, 10	3.5.4 Where calibrations give rise to correction factors, the laboratory has procedures to ensure correction factors are appropriately applied to equipment and records are retained until the next verification is performed.
	3.5.4 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 8, 9, 10	3.5.5 Accuracy, range, and graduations of all TMDs are appropriate for the designated use.
	3.5.5 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8, 9, 10	3.5.6 For electronic TMDs, probe/sensor is uniquely labeled and manufacturer's instructions are followed to ensure accurate readings.
	3.5.6 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 8, 9, 10	3.5.7 Temperature Monitoring Systems (wired/wireless) record temperature from each sensor/probe in the piece of equipment being monitored at the same or greater frequency required by the NSSP.
	3.5.7 Observations:	
3.6 Disposables and Pipettors		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.6.1 Pipettors, accuracy checked, fixed volume or electronic are calibrated according to NSSP requirements.
	3.6.1 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 10	3.6.2 Pipettors are etched or imprinted with unique identification and tagged with last date of accuracy verification.
	3.6.2 Observations:	

<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.6.3 Appropriate pipettor tips are used and sterility checks are performed on an appropriate quantity.
	3.6.3 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.6.4 Sterility checks on disposables are performed according to a cited QC practice, within a designated SOP. (e.g., laboratory may cite and implement a recognized standard of sterility testing, they may test 10% of a “lot” or any 3 in a box.)
	3.6.4 Observations:	
3.7 Test Record/Bench Sheet Requirements		
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 3, 4, 6, 9, 10	3.7.1 Test records/bench sheets contain information to facilitate repeatability under conditions as close as possible to the original including QC information (or reference) for media and supplies used.
	3.7.1 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 9, 10	3.7.2 Test records/bench sheets must show date, time and temperature of samples at the start of analysis and contain the name or initials of the analyst performing the test for each group of samples.
	3.7.2 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 4, 9, 10	3.7.3 Test records/bench sheets must include sterility controls or a reference to the document containing sterility controls for disposables and dilution buffer.
	3.7.3 Observations:	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1, 4, 9, 10	3.7.4 Test records/bench sheets must include media productivity (positive and negative) controls or a reference to the document containing media productivity controls.
	3.7.4 Observations:	

REFERENCES

1. Title 21, Code of Federal Regulations, Part 58, *Good Laboratory Practice for Nonclinical Laboratory Study*. U.S. Government Printing, Washington, D.C. *Technical Programs – Criteria for Laboratories Performing Food Testing*. AOAC, Arlington, VA.
2. U.S. Department of Commerce. 1976. *NBS Monograph 150*. U.S. Department of Commerce, Washington, D.C.
3. Association of Official Analytical Chemists (AOAC). 1991. *Quality Assurance Principles for Analytical Laboratories*. AOAC, Arlington, VA.
4. Interstate Shellfish Sanitation Conference (ISSC). *National Shellfish Sanitation Program for the Control of Molluscan Shellfish: 2015 Revision* <http://www.issc.org>
5. The NELAC Institute (TNI). 2003 National Environmental Laboratory Accreditation Conference (NELAC) STANDARD QUALITY SYSTEMS. July 2005. Weatherford, TX.
6. U.S. Environmental Protection Agency (EPA). 1975. *Handbook for Evaluating Water Bacteriological Laboratories*. EPA – 670/9-75-006. U.S. EPA, Cincinnati, Ohio.
7. U.S. Food and Drug Administration (FDA). 1998. *Bacteriological Analytical Manual*, Association of Analytical Chemists Inc, Arlington, VA. Edition 8A <https://www.fda.gov/food/foodscienceresearch/laboratorymethods/ucm2006949.htm>
8. National Institute of Standards and Technology Special Publication 250-23, 128 pages (Sept. 1988) U.S. Government Printing office, Washington, D.C. Library of Congress Catalog Number: 88- 6000580.
9. The International Organization for Standardization and the International Electrotechnical Commission. Online: <https://www.iso.org/obp/ui/#iso:std:iso-iec:17025:ed-2:v1:en> accessed June 6, 2017.
10. National Conference on Interstate Milk Shipments. Cultural Procedures, 2400 Form. Online: <http://ncims.org/programs/> accessed June 6, 2017

LABORATORY:		DATE of EVALUATION:	
SHELLFISH LABORATORY EVALUATION CHECKLIST			
SUMMARY of NONCONFORMITIES			
Page	Item	Observation	Documentation Required

LABORATORY STATUS	
LABORATORY	DATE
LABORATORY REPRESENTATIVE/POINT OF CONTACT:	
NSSP Quality System Evaluation: (Part I-III)	
<p>A. Criteria for Determining Laboratory Status of the Quality System Component:</p> <p>1. Laboratory must satisfy all sections of the Quality System prior to onsite evaluation:</p> <p style="margin-left: 40px;">a. The total # of nonconformities in Part I _____</p> <p style="margin-left: 40px;">b. The total # of nonconformities in Part II _____</p> <p style="margin-left: 40px;">c. The total # of nonconformities in Part III _____</p>	
B. Laboratory Status (<i>circle appropriate</i>)	
Does Not Conform	Conforms
<p>Acknowledgment by Laboratory Director/Supervisor:</p> <p>All Corrective Actions will be implemented and verifying substantiating documentation received by the Laboratory Evaluation Officer on or before _____ so onsite evaluation can be scheduled.</p> <p>Laboratory Signature: _____ Date: _____</p> <p>LEO Signature: _____ Date: _____</p>	