PART 111—CURRENT GOOD MANUFACTURING PRACTICE IN MANUFACTURING, PACKAGING, LABELING, OR HOLDING OPERATIONS FOR DIETARY SUPPLEMENTS	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
Subpart B—Personnel				
§111.8 What are the requirements under this subpart B for written procedures?				
You must establish and follow written procedures for fulfilling the requirements of this subpart.				
§111.10 What requirements apply for preventing microbial contamination from sick or infected personnel and for hygienic practices?				
(a) Preventing microbial contamination. You must take measures to exclude from any operations any person who might be a source of microbial contamination, due to a health condition, where such contamination may occur, of any material, including components, dietary supplements, and contact surfaces used in the manufacture, packaging, labeling, or holding of a dietary supplement. Such measures include the following:				
(1) Excluding from working in any operations that may result in contamination any person who, by medical examination, the person's acknowledgement, or supervisory observation, is shown to have, or appears to have, an illness, infection, open lesion, or any other abnormal source of microbial contamination, that could result in microbial contamination of components, dietary				

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supplements, or contact surfaces, until the health condition no longer exists; and				
(2) Instructing your employees to notify their supervisor(s) if they have or if there is a reasonable possibility that they have a health condition described in paragraph (a)(1) of this section that could result in microbial contamination of any components, dietary supplements, or any contact surface.				
(b) Hygienic practices. If you work in an operation during which adulteration of the component, dietary supplement, or contact surface could occur, you must use hygienic practices to the extent necessary to protect against such contamination of components, dietary supplements, or contact surfaces. These hygienic practices include the following:				
(1) Wearing outer garments in a manner that protects against the contamination of components, dietary supplements, or any contact surface;				
(2) Maintaining adequate personal cleanliness; (3) Washing hands thoroughly (and sanitizing if necessary to protect against contamination with microorganisms) in an adequate hand-washing facility:				
(i) Before starting work; and				

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(ii) At any time when the hands may have become				
soiled or contaminated;				
(4) Removing all unsecured jewelry and other objects				
that might fall into components, dietary				
supplements, equipment, or packaging, and				
removing hand jewelry that cannot be adequately				
sanitized during periods in which components or				
dietary supplements are manipulated by hand. If				
hand jewelry cannot be removed, it must be covered				
by material that is maintained in an intact, clean, and				
sanitary condition and that effectively protects				
against contamination of components, dietary				
supplements, or contact surfaces;				
(5) Maintaining gloves used in handling components				
or dietary supplements in an intact, clean, and				
sanitary condition. The gloves must be of an				
impermeable material;				
(6) Wearing, where appropriate, in an effective				
manner, hair nets, caps, beard covers, or other				
effective hair restraints;				
(7) Not storing clothing or other personal belongings				
in areas where components, dietary supplements, or				
any contact surfaces are exposed or where contact				
surfaces are washed;				

PART 111—CURRENT GOOD MANUFACTURING PRACTICE IN MANUFACTURING, PACKAGING, LABELING, OR HOLDING OPERATIONS FOR DIETARY SUPPLEMENTS	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(8) Not eating food, chewing gum, drinking				
beverages, or using tobacco products in areas where				
components, dietary supplements, or any contact surfaces are exposed, or where contact surfaces are				
washed; and				
(9) Taking any other precautions necessary to protect				
against the contamination of components, dietary				
supplements, or contact surfaces with				
microorganisms, filth, or any other extraneous				
materials, including perspiration, hair, cosmetics,				
tobacco, chemicals, and medicines applied to the				
skin.				
§111.12 What personnel qualification				
requirements apply?				
(a) You must have qualified employees who				
manufacture, package, label, or hold dietary				
supplements.				
(b) You must identify who is responsible for your				
quality control operations. Each person who is				
identified to perform quality control operations must				
be qualified to do so and have distinct and separate				
responsibilities related to performing such operations				
from those responsibilities that the person otherwise				
has when not performing such operations.				

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(c) Each person engaged in manufacturing,				
packaging, labeling, or holding, or in performing any quality control operations, must have the education,				
training, or experience to perform the person's				
assigned functions.				
§111.13 What supervisor requirements apply?				
(a) You must assign qualified personnel to supervise				
the manufacturing, packaging, labeling, or holding of				
dietary supplements.				
(b) Each supervisor whom you use must be qualified				
by education, training, or experience to supervise.				
§111.14 Under this subpart B, what records must				
you make and keep?				
(a) You must make and keep records required under				
this subpart B in accordance with subpart P of this				
part.				
(b) You must make and keep the following records:				
(1) Written procedures for fulfilling the requirements				
of this subpart B; and				
(2) Documentation of training, including the date of				
the training, the type of training, and the person(s)				
trained.				
Subpart C—Physical Plant and Grounds				
§111.15 What sanitation requirements apply to				
your physical plant and grounds?				

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(a) Grounds. You must keep the grounds of your				
physical plant in a condition that protects against the				
contamination of components, dietary supplements,				
or contact surfaces. The methods for adequate				
ground maintenance include:				
(1) Properly storing equipment, removing litter and				
waste, and cutting weeds or grass within the				
immediate vicinity of the physical plant so that it				
does not attract pests, harbor pests, or provide pests				
a place for breeding;				
(2) Maintaining roads, yards, and parking lots so that				
they do not constitute a source of contamination in				
areas where components, dietary supplements, or				
contact surfaces are exposed;				
(3) Adequately draining areas that may contribute to the contamination of components, dietary				
supplements, or contact surfaces by seepage, filth or				
any other extraneous materials, or by providing a				
breeding place for pests;				
(4) Adequately operating systems for waste				
treatment and disposal so that they do not constitute				
a source of contamination in areas where				
components, dietary supplements, or contact				
surfaces are exposed; and				

PART 111—CURRENT GOOD MANUFACTURING PRACTICE IN MANUFACTURING, PACKAGING, LABELING, OR HOLDING OPERATIONS FOR DIETARY SUPPLEMENTS	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(5) If your plant grounds are bordered by grounds not				
under your control, and if those other grounds are				
not maintained in the manner described in this				
section, you must exercise care in the plant by				
inspection, extermination, or other means to exclude				
pests, dirt, and filth or any other extraneous				
materials that may be a source of contamination.				
(b) Physical plant facilities. (1) You must maintain				
your physical plant in a clean and sanitary condition;				
and				
(2) You must maintain your physical plant in repair				
sufficient to prevent components, dietary				
supplements, or contact surfaces from becoming				
contaminated.				
(c) Cleaning compounds, sanitizing agents, pesticides,				
and other toxic materials. (1) You must use cleaning				
compounds and sanitizing agents that are free from				
microorganisms of public health significance and that				
are safe and adequate under the conditions of use.				
(2) You must not use or hold toxic materials in a				
physical plant in which components, dietary				
supplements, or contact surfaces are manufactured				
or exposed, unless those materials are necessary as				
follows:				
(i) To maintain clean and sanitary conditions;				

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(ii) For use in laboratory testing procedures;				
(iii) For maintaining or operating the physical plant or equipment; or				
(iv) For use in the plant's operations.				
(3) You must identify and hold cleaning compounds, sanitizing agents, pesticides, pesticide chemicals, and other toxic materials in a manner that protects against contamination of components, dietary supplements, or contact surfaces.				
(d) Pest control. (1) You must not allow animals or pests in any area of your physical plant. Guard or guide dogs are allowed in some areas of your physical plant if the presence of the dogs will not result in contamination of components, dietary supplements, or contact surfaces;				
(2) You must take effective measures to exclude pests from the physical plant and to protect against contamination of components, dietary supplements, and contact surfaces on the premises by pests; and				
(3) You must not use insecticides, fumigants, fungicides, or rodenticides, unless you take precautions to protect against the contamination of components, dietary supplements, or contact surfaces.				

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(e) Water supply. (1) You must provide water that is				
safe and sanitary, at suitable temperatures, and				
under pressure as needed, for all uses where water				
does not become a component of the dietary				
supplement.				
(2) Water that is used in a manner such that the				
water may become a component of the dietary				
supplement, e.g., when such water contacts				
components, dietary supplements, or any contact				
surface, must, at a minimum, comply with applicable				
Federal, State, and local requirements and not				
contaminate the dietary supplement.				
(f) Plumbing. The plumbing in your physical plant				
must be of an adequate size and design and be				
adequately installed and maintained to:				
(1) Carry sufficient amounts of water to required				
locations throughout the physical plant;				
(2) Properly convey sewage and liquid disposable				
waste from your physical plant;				
(3) Avoid being a source of contamination to				
components, dietary supplements, water supplies, or				
any contact surface, or creating an unsanitary				
condition;				

PART 111—CURRENT GOOD MANUFACTURING PRACTICE IN MANUFACTURING, PACKAGING, LABELING, OR HOLDING OPERATIONS FOR DIETARY SUPPLEMENTS	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(4) Provide adequate floor drainage in all areas where				
floors are subject to flooding-type cleaning or where				
normal operations release or discharge water or other liquid waste on the floor; and				
(5) Not allow backflow from, or cross connection				
between, piping systems that discharge waste water				
or sewage and piping systems that carry water used				
for manufacturing dietary supplements, for cleaning				
contact surfaces, or for use in bathrooms or hand-				
washing facilities.				
(g) Sewage disposal. You must dispose of sewage into				
an adequate sewage system or through other				
adequate means.				
(h) <i>Bathrooms</i> . You must provide your employees with adequate, readily accessible bathrooms. The				
bathrooms must be kept clean and must not be a				
potential source of contamination to components,				
dietary supplements, or contact surfaces.				
(i) Hand-washing facilities. You must provide hand-				
washing facilities that are designed to ensure that an				
employee's hands are not a source of contamination				
of components, dietary supplements, or any contact				
surface, by providing facilities that are adequate,				
convenient, and furnish running water at a suitable				
temperature.				

PART 111—CURRENT GOOD MANUFACTURING PRACTICE IN MANUFACTURING, PACKAGING, LABELING, OR HOLDING OPERATIONS FOR DIETARY SUPPLEMENTS	Audit Standard Language	Analysis of Alignment of Audit Standard	Description of Gaps and Actions to Align	Additional Comments
(j) Trash disposal. You must convey, store, and				
dispose of trash to:				
(1) Minimize the development of odors;				
(2) Minimize the potential for the trash to attract,				
harbor, or become a breeding place for pests;				
(3) Protect against contamination of components,				
dietary supplements, any contact surface, water				
supplies, and grounds surrounding your physical				
plant; and				
(4) Control hazardous waste to prevent				
contamination of components, dietary supplements,				
and contact surfaces.				
(k) Sanitation supervisors. You must assign one or				
more employees to supervise overall sanitation. Each				
of these supervisors must be qualified by education,				
training, or experience to develop and supervise				
sanitation procedures.				
§111.16 What are the requirements under this				
subpart C for written procedures?				
You must establish and follow written procedures for				
cleaning the physical plant and for pest control.				
§111.20 What design and construction				
requirements apply to your physical plant?				

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Any physical plant you use in the manufacture,				
packaging, labeling, or holding of dietary				
supplements must:				
(a) Be suitable in size, construction, and design to				
facilitate maintenance, cleaning, and sanitizing				
operations;				
(b) Have adequate space for the orderly placement of				
equipment and holding of materials as is necessary				
for maintenance, cleaning, and sanitizing operations				
and to prevent contamination and mixups of				
components and dietary supplements during				
manufacturing, packaging, labeling, or holding;				
(c) Permit the use of proper precautions to reduce				
the potential for mixups or contamination of				
components, dietary supplements, or contact				
surfaces, with microorganisms, chemicals, filth, or				
other extraneous material. Your physical plant must				
have, and you must use, separate or defined areas of				
adequate size or other control systems, such as				
computerized inventory controls or automated				
systems of separation, to prevent contamination and				
mixups of components and dietary supplements				
during the following operations:				
(1) Receiving, identifying, holding, and withholding				
from use, components, dietary supplements,				

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packaging, and labels that will be used in or during				
the manufacturing, packaging, labeling, or holding of				
dietary supplements;				
(2) Separating, as necessary, components, dietary				
supplements, packaging, and labels that are to be				
used in manufacturing from components, dietary				
supplements, packaging, or labels that are awaiting				
material review and disposition decision,				
reprocessing, or are awaiting disposal after rejection;				
(3) Separating the manufacturing, packaging,				
labeling, and holding of different product types				
including different types of dietary supplements and				
other foods, cosmetics, and pharmaceutical products;				
(4) Performing laboratory analyses and holding				
laboratory supplies and samples;				
(5) Cleaning and sanitizing contact surfaces;				
(6) Packaging and label operations; and				
(7) Holding components or dietary supplements.				
(d) Be designed and constructed in a manner that				
prevents contamination of components, dietary				
supplements, or contact surfaces. (1) The design and				
construction must include:				
(i) Floors, walls, and ceilings that can be adequately				
cleaned and kept clean and in good repair;				

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(ii) Fixtures, ducts, and pipes that do not contaminate				
components, dietary supplements, or contact				
surfaces by dripping or other leakage, or condensate;				
(iii) Adequate ventilation or environmental control				
equipment such as airflow systems, including filters,				
fans, and other air-blowing equipment, that minimize				
odors and vapors (including steam and noxious				
fumes) in areas where they may contaminate				
components, dietary supplements, or contact				
surfaces;				
(iv) Equipment that controls temperature and				
humidity, when such equipment is necessary to				
ensure the quality of the dietary supplement; and				
(v) Aisles or working spaces between equipment and				
walls that are adequately unobstructed and of				
adequate width to permit all persons to perform				
their duties and to protect against contamination of				
components, dietary supplements, or contact				
surfaces with clothing or personal contact.				
(2) When fans and other air-blowing equipment are				
used, such fans and equipment must be located and				
operated in a manner that minimizes the potential				
for microorganisms and particulate matter to				
contaminate components, dietary supplements, or				
contact surfaces;				

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(e) Provide adequate light in:				
(1) All areas where components or dietary				
supplements are examined, processed, or held;				
(2) All areas where contact surfaces are cleaned; and				
(3) Hand-washing areas, dressing and locker rooms,				
and bathrooms.				
(f) Use safety-type light bulbs, fixtures, skylights, or				
other glass or glass-like materials when the light				
bulbs, fixtures, skylights or other glass or glass-like				
materials are suspended over exposed components				
or dietary supplements in any step of preparation,				
unless your physical plant is otherwise constructed in				
a manner that will protect against contamination of				
components or dietary supplements in case of				
breakage of glass or glass-like materials.				
(g) Provide effective protection against				
contamination of components and dietary				
supplements in bulk fermentation vessels, by, for				
example:				
(1) Use of protective coverings;				
(2) Placement in areas where you can eliminate				
harborages for pests over and around the vessels;				
(3) Placement in areas where you can check regularly				
for pests, pest infestation, filth or any other				
extraneous materials; and				

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(4) Use of skimming equipment.				
(h) Use adequate screening or other protection				
against pests, where necessary.				
§111.23 Under this subpart C, what records must				
you make and keep?				
(a) You must make and keep records required under				
this subpart C in accordance with subpart P of this				
part.				
(b) You must make and keep records of the written				
procedures for cleaning the physical plant and for				
pest control.				
(c) You must make and keep records that show that				
water, when used in a manner such that the water				
may become a component of the dietary				
supplement, meets the requirements of				
§111.15(e)(2).				
Subpart D—Equipment and Utensils				
§111.25 What are the requirements under this				
subpart D for written procedures?				
You must establish and follow written procedures for				
fulfilling the requirements of this subpart D, including				
written procedures for:				

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(a) Calibrating instruments and controls that you use				
in manufacturing or testing a component or dietary supplement;				
(b) Calibrating, inspecting, and checking automated, mechanical, and electronic equipment; and				
(c) Maintaining, cleaning, and sanitizing, as necessary,				
all equipment, utensils, and any other contact				
surfaces that are used to manufacture, package,				
label, or hold components or dietary supplements.				
§111.27 What requirements apply to the				
equipment and utensils that you use?				
(a) You must use equipment and utensils that are of				
appropriate design, construction, and workmanship				
to enable them to be suitable for their intended use				
and to be adequately cleaned and properly maintained.				
(1) Equipment and utensils include the following:				
(i) Equipment used to hold or convey;				
(ii) Equipment used to measure;				
(iii) Equipment using compressed air or gas;				
(iv) Equipment used to carry out processes in closed				
pipes and vessels; and				
(v) Equipment used in automated, mechanical, or				
electronic systems.				

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(2) You must use equipment and utensils of				
appropriate design and construction so that use will				
not result in the contamination of components or				
dietary supplements with:				
(i) Lubricants;				
(ii) Fuel;				
(iii) Coolants;				
(iv) Metal or glass fragments;				
(v) Filth or any other extraneous material;				
(vi) Contaminated water; or				
(vii) Any other contaminants.				
(3) All equipment and utensils you use must be:				
(i) Installed and maintained to facilitate cleaning the				
equipment, utensils, and all adjacent spaces;				
(ii) Corrosion-resistant if the equipment or utensils				
contact components or dietary supplements;				
(iii) Made of nontoxic materials;				
(iv) Designed and constructed to withstand the				
environment in which they are used, the action of				
components or dietary supplements, and, if				
applicable, cleaning compounds and sanitizing				
agents; and				
(v) Maintained to protect components and dietary				
supplements from being contaminated by any				
source.				

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(4) Equipment and utensils you use must have seams that are smoothly bonded or maintained to minimize accumulation of dirt, filth, organic material, particles of components or dietary supplements, or any other				
extraneous materials or contaminants.  (5) Each freezer, refrigerator, and other cold storage compartment you use to hold components or dietary supplements:				
(i) Must be fitted with an indicating thermometer, temperature-measuring device, or temperature-recording device that indicates and records, or allows for recording by hand, the temperature accurately within the compartment; and				
(ii) Must have an automated device for regulating temperature or an automated alarm system to indicate a significant temperature change in a manual operation.				
(6) Instruments or controls used in the manufacturing, packaging, labeling, or holding of a dietary supplement, and instruments or controls that you use to measure, regulate, or record temperatures, hydrogen-ion concentration (pH), water activity, or other conditions, to control or prevent the growth of microorganisms or other contamination must be:				

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(i) Accurate and precise;				
(ii) Adequately maintained; and				
(iii) Adequate in number for their designated uses.				
(7) Compressed air or other gases you introduce				
mechanically into or onto a component, dietary				
supplement, or contact surface or that you use to				
clean any contact surface must be treated in such a				
way that the component, dietary supplement, or				
contact surface is not contaminated.				
(b) You must calibrate instruments and controls you				
use in manufacturing or testing a component or				
dietary supplement. You must calibrate:				
(1) Before first use; and				
(2) At the frequency specified in writing by the				
manufacturer of the instrument and control; or				
(3) At routine intervals or as otherwise necessary to				
ensure the accuracy and precision of the instrument				
and control.				
(c) You must repair or replace instruments or controls				
that cannot be adjusted to agree with the reference				
standard.				
(d) You must maintain, clean, and sanitize, as				
necessary, all equipment, utensils, and any other				
contact surfaces used to manufacture, package, label,				
or hold components or dietary supplements.				

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(1) Equipment and utensils must be taken apart as necessary for thorough maintenance, cleaning, and sanitizing.				
(2) You must ensure that all contact surfaces, used for manufacturing or holding low-moisture components or dietary supplements, are in a dry and sanitary condition when in use. When the surfaces are wet-cleaned, they must be sanitized, when necessary, and thoroughly dried before subsequent use.				
(3) If you use wet processing during manufacturing, you must clean and sanitize all contact surfaces, as necessary, to protect against the introduction of microorganisms into components or dietary supplements. When cleaning and sanitizing is necessary, you must clean and sanitize all contact surfaces before use and after any interruption during which the contact surface may have become contaminated. If you use contact surfaces in a continuous production operation or in consecutive operations involving different batches of the same dietary supplement, you must adequately clean and sanitize the contact surfaces, as necessary.				
(4) You must clean surfaces that do not come into direct contact with components or dietary				

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supplements as frequently as necessary to protect				
against contaminating components or dietary				
supplements.				
(5) Single-service articles (such as utensils intended				
for one-time use, paper cups, and paper towels) must				
be:				
(i) Stored in appropriate containers; and				
(ii) Handled, dispensed, used, and disposed of in a				
manner that protects against contamination of				
components, dietary supplements, or any contact				
surface.				
(6) Cleaning compounds and sanitizing agents must				
be adequate for their intended use and safe under				
their conditions of use;				
(7) You must store cleaned and sanitized portable				
equipment and utensils that have contact surfaces in				
a location and manner that protects them from				
contamination.				
§111.30 What requirements apply to automated,				
mechanical, or electronic equipment?				
For any automated, mechanical, or electronic				
equipment that you use to manufacture, package,				
label, or hold a dietary supplement, you must:				
(a) Design or select equipment to ensure that dietary				
supplement specifications are consistently met;				

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(b) Determine the suitability of the equipment by				
ensuring that your equipment is capable of operating				
satisfactorily within the operating limits required by				
the process;				
(c) Routinely calibrate, inspect, or check the				
equipment to ensure proper performance. Your				
quality control personnel must periodically review				
these calibrations, inspections, or checks;				
(d) Establish and use appropriate controls for				
automated, mechanical, and electronic equipment				
(including software for a computer controlled				
process) to ensure that any changes to the				
manufacturing, packaging, labeling, holding, or other				
operations are approved by quality control personnel				
and instituted only by authorized personnel; and				
(e) Establish and use appropriate controls to ensure				
that the equipment functions in accordance with its				
intended use. These controls must be approved by				
quality control personnel.				
§111.35 Under this subpart D, what records must				
you make and keep?				
(a) You must make and keep records required under				
this subpart D in accordance with subpart P of this				
part.				
(b) You must make and keep the following records:				

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(1) Written procedures for fulfilling the requirements				
of this subpart, including written procedures for:				
(i) Calibrating instruments and controls that you use				
in manufacturing or testing a component or dietary supplement;				
(ii) Calibrating, inspecting, and checking automated, mechanical, and electronic equipment; and				
(iii) Maintaining, cleaning, and sanitizing, as				
necessary, all equipment, utensils, and any other				
contact surfaces that are used to manufacture,				
package, label, or hold components or dietary				
supplements;				
(2) Documentation, in individual equipment logs, of				
the date of the use, maintenance, cleaning, and				
sanitizing of equipment, unless such documentation				
is kept with the batch record;				
(3) Documentation of any calibration, each time the				
calibration is performed, for instruments and controls				
that you use in manufacturing or testing a				
component or dietary supplement. In your				
documentation, you must:				
(i) Identify the instrument or control calibrated;				
(ii) Provide the date of calibration;				

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(iii) Identify the reference standard used including				
the certification of accuracy of the known reference				
standard and a history of recertification of accuracy;				
(iv) Identify the calibration method used, including				
appropriate limits for accuracy and precision of				
instruments and controls when calibrating;				
(v) Provide the calibration reading or readings found;				
(vi) Identify the recalibration method used, and				
reading or readings found, if accuracy or precision or				
both accuracy and precision limits for instruments				
and controls were not met; and				
(vii) Include the initials of the person who performed				
the calibration and any recalibration.				
(4) Written records of calibrations, inspections, and				
checks of automated, mechanical, and electronic				
equipment;				
(5) Backup file(s) of current software programs (and				
of outdated software that is necessary to retrieve				
records that you are required to keep in accordance				
with subpart P of this part, when current software is				
not able to retrieve such records) and of data entered				
into computer systems that you use to manufacture,				
package, label, or hold dietary supplements.				
(i) Your backup file (e.g., a hard copy of data you have				
entered, diskettes, tapes, microfilm, or compact				

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disks) must be an exact and complete record of the data you entered.				
(ii) You must keep your backup software programs and data secure from alterations, inadvertent erasures, or loss; and				
(6) Documentation of the controls that you use to ensure that equipment functions in accordance with its intended use.				
Subpart E—Requirement to Establish a Production				
and Process Control System				
§111.55 What are the requirements to implement				
a production and process control system?				
You must implement a system of production and process controls that covers all stages of manufacturing, packaging, labeling, and holding of				
the dietary supplement to ensure the quality of the dietary supplement and that the dietary supplement				
is packaged and labeled as specified in the master manufacturing record.				
§111.60 What are the design requirements for the				
production and process control system?				
(a) Your production and in-process control system				
must be designed to ensure that the dietary				
supplement is manufactured, packaged, labeled, and held in a manner that will ensure the quality of the				

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dietary supplement and that the dietary supplement is packaged and labeled as specified in the master				
manufacturing record; and				
(b) The production and in-process control system must include all requirements of subparts E through L of this part and must be reviewed and approved by quality control personnel.				
§111.65 What are the requirements for quality				
control operations?				
You must implement quality control operations in your manufacturing, packaging, labeling, and holding operations for producing the dietary supplement to ensure the quality of the dietary supplement and that the dietary supplement is packaged and labeled as specified in the master manufacturing record				
§111.70 What specifications must you establish?				
(a) You must establish a specification for any point, step, or stage in the manufacturing process where control is necessary to ensure the quality of the dietary supplement and that the dietary supplement is packaged and labeled as specified in the master manufacturing record.				
(b) For each component that you use in the manufacture of a dietary supplement, you must establish component specifications as follows:				

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(1) You must establish an identity specification;				
(2) You must establish component specifications that				
are necessary to ensure that specifications for the				
purity, strength and composition of dietary				
supplements manufactured using the components				
are met; and				
(3) You must establish limits on those types of				
contamination that may adulterate or may lead to				
adulteration of the finished batch of the dietary				
supplement to ensure the quality of the dietary				
supplement.				
(c) For the in-process production:				
(1) You must establish in-process specifications for				
any point, step, or stage in the master manufacturing				
record where control is necessary to help ensure that				
specifications are met for the identity, purity,				
strength, and composition of the dietary				
supplements and, as necessary, for limits on those				
types of contamination that may adulterate or may				
lead to adulteration of the finished batch of the				
dietary supplement;				
(2) You must provide adequate documentation of				
your basis for why meeting the in-process				
specifications, in combination with meeting				
component specifications, will help ensure that the				

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specifications are met for the identity, purity,				
strength, and composition of the dietary				
supplements and for limits on those types of				
contamination that may adulterate or may lead to				
adulteration of the finished batch of the dietary				
supplement; and				
(3) Quality control personnel must review and				
approve the documentation that you provide under				
paragraph (c)(2) of this section.				
(d) You must establish specifications for dietary				
supplement labels (label specifications) and for				
packaging that may come in contact with dietary				
supplements (packaging specifications). Packaging				
that may come into contact with dietary supplements				
must be safe and suitable for its intended use and				
must not be reactive or absorptive or otherwise				
affect the safety or quality of the dietary supplement.				
(e) For each dietary supplement that you				
manufacture you must establish product				
specifications for the identity, purity, strength, and				
composition of the finished batch of the dietary				
supplement, and for limits on those types of				
contamination that may adulterate, or that may lead				
to adulteration of, the finished batch of the dietary				

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supplement to ensure the quality of the dietary supplement.				
(f) If you receive a product from a supplier for packaging or labeling as a dietary supplement (and for distribution rather than for return to the supplier), you must establish specifications to provide sufficient assurance that the product you receive is adequately identified and is consistent with your purchase order.				
(g) You must establish specifications for the packaging and labeling of the finished packaged and labeled dietary supplements, including specifications that ensure that you used the specified packaging and that you applied the specified label.				
§111.73 What is your responsibility for determining whether established specifications are met?				
You must determine whether the specifications you establish under §111.70 are met.				
§111.75 What must you do to determine whether specifications are met?				
(a) Before you use a component, you must: (1)(i) Conduct at least one appropriate test or				
examination to verify the identity of any component that is a dietary ingredient, unless you petition the				

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agency under paragraph (a)(1)(ii) of this section and the agency exempts you from such testing;				
the agency exempts you nom such testing,				
(ii) You may submit a petition, under 21 CFR 10.30, to				
request an exemption from the testing requirements				
in paragraph (a)(1)(i) of this section. The petition				
must set forth the scientific rationale, and must be				
accompanied by the supporting data and				
information, for proposed alternative testing that will				
demonstrate that there is no material diminution of				
assurance, compared to the assurance provided by				
100 percent identity testing, of the identity of the				
dietary ingredient before use when the dietary				
ingredient is obtained from one or more suppliers				
identified in the petition. If FDA grants the petition,				
you must conduct the tests and examinations for the				
dietary ingredient, otherwise required under				
§111.75(a)(1)(i), under the terms specified by FDA				
when the petition is granted; and				
(2) Confirm the identity of other components and				
determine whether other applicable component				
specifications established in accordance with				
§111.70(b) are met. To do so, you must either:				
(i) Conduct appropriate tests or examinations; or				

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(ii) Rely on a certificate of analysis from the supplier				
of the component that you receive, provided that:				
(A) You first qualify the supplier by establishing the				
reliability of the supplier's certificate of analysis				
through confirmation of the results of the supplier's				
tests or examinations;				
(B) The certificate of analysis includes a description of				
the test or examination method(s) used, limits of the				
test or examinations, and actual results of the tests				
or examinations;				
(C) You maintain documentation of how you qualified				
the supplier;				
(D) You periodically re-confirm the supplier's				
certificate of analysis; and				
(E) Your quality control personnel review and				
approve the documentation setting forth the basis				
for qualification (and re-qualification) of any supplier.				
(b) You must monitor the in-process points, steps, or				
stages where control is necessary to ensure the				
quality of the finished batch of dietary supplement				
to:				
(1) Determine whether the in-process specifications				
are met; and				
(2) Detect any deviation or unanticipated occurrence				
that may result in a failure to meet specifications.				

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(c) For a subset of finished dietary supplement batches that you identify through a sound statistical sampling plan (or for every finished batch), you must verify that your finished batch of the dietary supplement meets product specifications for identity, purity, strength, composition, and for limits on those types of contamination that may adulterate or that				
may lead to adulteration of the finished batch of the dietary supplement. To do so:				
(1) You must select one or more established specifications for identity, purity, strength, composition, and the limits on those types of contamination that may adulterate or that may lead to adulteration of the dietary supplement that, if tested or examined on the finished batches of the dietary supplement, would verify that the production and process control system is producing a dietary supplement that meets all product specifications (or only those product specifications not otherwise exempted from this provision by quality control				
personnel under paragraph (d) of this section); (2) You must conduct appropriate tests or examinations to determine compliance with the specifications selected in paragraph (c)(1) of this section;				

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(3) You must provide adequate documentation of				
your basis for determining that compliance with the				
specification(s) selected under paragraph (c)(1) of				
this section, through the use of appropriate tests or				
examinations conducted under paragraph (c)(2) of				
this section, will ensure that your finished batch of				
the dietary supplement meets all product				
specifications for identity, purity, strength, and				
composition, and the limits on those types of				
contamination that may adulterate, or that may lead				
to the adulteration of, the dietary supplement; and				
(4) Your quality control personnel must review and				
approve the documentation that you provide under				
paragraph (c)(3) of this section.				
(d)(1) You may exempt one or more product				
specifications from verification requirements in				
paragraph (c)(1) of this section if you determine and				
document that the specifications you select under				
paragraph (c)(1) of this section for determination of				
compliance with specifications are not able to verify				
that the production and process control system is				
producing a dietary supplement that meets the				
exempted product specification and there is no				
scientifically valid method for testing or examining				
such exempted product specification at the finished				

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batch stage. In such a case, you must document why, for example, any component and in-process testing, examination, or monitoring, and any other information, will ensure that such exempted product specification is met without verification through periodic testing of the finished batch; and				
(2) Your quality control personnel must review and approve the documentation that you provide under paragraph (d)(1) of this section.				
(e) Before you package or label a product that you receive for packaging or labeling as a dietary supplement (and for distribution rather than for return to the supplier), you must visually examine the product and have documentation to determine whether the specifications that you established under §111.70 (f) are met.				
(f)(1) Before you use packaging, you must, at a minimum, conduct a visual identification of the containers and closures and review the supplier's invoice, guarantee, or certification to determine whether the packaging specifications are met; and (2) Before you use labels, you must, at a minimum, conduct a visual examination of the label and review				

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the supplier's invoice, guarantee, or certification to				
determine whether label specifications are met.				
(g) You must, at a minimum, conduct a visual				
examination of the packaging and labeling of the				
finished packaged and labeled dietary supplements				
to determine whether you used the specified				
packaging and applied the specified label.				
(h)(1) You must ensure that the tests and				
examinations that you use to determine whether the				
specifications are met are appropriate, scientifically				
valid methods.				
(2) The tests and examinations that you use must				
include at least one of the following:				
(i) Gross organoleptic analysis;				
(ii) Macroscopic analysis;				
(iii) Microscopic analysis;				
(iv) Chemical analysis; or				
(v) Other scientifically valid methods.				
(vi) You must establish corrective action plans for use				
when an established specification is not met.				
§111.77 What must you do if established				
specifications are not met?				
(a) For specifications established under §111.70(a),				
(b)(2), (b)(3), (c), (d), (e), and (g) that you do not				
meet, quality control personnel, in accordance with				

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the requirements in subpart F of this part, must				
reject the component, dietary supplement, package				
or label unless such personnel approve a treatment,				
an in-process adjustment, or reprocessing that will				
ensure the quality of the finished dietary supplement				
and that the dietary supplement is packaged and				
labeled as specified in the master manufacturing				
record. No finished batch of dietary supplements				
may be released for distribution unless it complies				
with §111.123(b).				
(b) For specifications established under §111.70(b)(1)				
that you do not meet, quality control personnel must				
reject the component and the component must not				
be used in manufacturing the dietary supplement.				
(c) For specifications established under §111.70(f)				
that you do not meet, quality control personnel must				
reject the product and the product may not be				
packaged or labeled for distribution as a dietary				
supplement.				
§111.80 What representative samples must you				
collect?				
The representative samples that you must collect				
include:				

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(a) Representative samples of each unique lot of				
components, packaging, and labels that you use to				
determine whether the components, packaging, and				
labels meet specifications established in accordance				
with §111.70(b) and (d), and as applicable,				
§111.70(a) (and, when you receive components,				
packaging, or labels from a supplier, representative				
samples of each unique shipment, and of each				
unique lot within each unique shipment);				
(b) Representative samples of in-process materials				
for each manufactured batch at points, steps, or				
stages, in the manufacturing process as specified in				
the master manufacturing record where control is				
necessary to ensure the identity, purity, strength, and				
composition of dietary supplements to determine				
whether the in-process materials meet specifications				
established in accordance with §111.70(c), and as				
applicable, §111.70(a);				
(c) Representative samples of a subset of finished				
batches of each dietary supplement that you				
manufacture, which you identify through a sound				
statistical sampling plan (or otherwise every finished				
batch), before releasing for distribution to verify that				
the finished batch of dietary supplement meets				

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product specifications established in accordance with §111.70(e), and as applicable, §111.70(a);				
(d) Representative samples of each unique shipment, and of each unique lot within each unique shipment, of product that you receive for packaging or labeling as a dietary supplement (and for distribution rather than for return to the supplier) to determine whether the received product meets specifications established in accordance with §111.70(f), and as applicable, §111.70(a); and				
(e) Representative samples of each lot of packaged and labeled dietary supplements to determine whether the packaging and labeling of the finished packaged and labeled dietary supplements meet specifications established in accordance with §111.70(g), and as applicable, §111.70(a).				
§111.83 What are the requirements for reserve samples?				
(a) You must collect and hold reserve samples of each lot of packaged and labeled dietary supplements that you distribute.				
<ul><li>(b) The reserve samples must:</li><li>(1) Be held using the same container-closure system in which the packaged and labeled dietary supplement is distributed, or if distributing dietary</li></ul>				

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supplements to be packaged and labeled, using a				
container-closure system that provides essentially				
the same characteristics to protect against				
contamination or deterioration as the one in which it				
is distributed for packaging and labeling elsewhere;				
(2) Be identified with the batch, lot, or control number;				
(3) Be retained for 1 year past the shelf life date (if				
shelf life dating is used), or for 2 years from the date				
of distribution of the last batch of dietary				
supplements associated with the reserve sample, for				
use in appropriate investigations; and				
(4) Consist of at least twice the quantity necessary for				
all tests or examinations to determine whether or not				
the dietary supplement meets product specifications.				
§111.87 Who conducts a material review and				
makes a disposition decision?				
Quality control personnel must conduct all required				
material reviews and make all required disposition				
decisions.				
§111.90 What requirements apply to treatments,				
in-process adjustments, and reprocessing when				
there is a deviation or unanticipated occurrence or				
when a specification established in accordance with				
§111.70 is not met?				

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(a) You must not reprocess a rejected dietary				
supplement or treat or provide an in-process				
adjustment to a component, packaging, or label to				
make it suitable for use in the manufacture of a				
dietary supplement unless:				
(1) Quality control personnel conduct a material				
review and make a disposition decision to approve				
the reprocessing, treatment, or in-process				
adjustment; and				
(2) The reprocessing, treatment, or in-process				
adjustment is permitted by §111.77;				
(b) You must not reprocess any dietary supplement				
or treat or provide an in-process adjustment to a				
component to make it suitable for use in the				
manufacture of a dietary supplement, unless:				
(1) Quality control personnel conduct a material				
review and make a disposition decision that is based				
on a scientifically valid reason and approves the				
reprocessing, treatment, or in-process adjustment;				
and				
(2) The reprocessing, treatment or in-process				
adjustment is permitted by §111.77;				
(c) Any batch of dietary supplement that is				
reprocessed, that contains components that you				
have treated, or to which you have made in-process				

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adjustments to make them suitable for use in the				
manufacture of the dietary supplement must be approved by quality control personnel and comply				
with §111.123(b) before releasing for distribution.				
§111.95 Under this subpart E, what records must				
you make and keep?				
(a) You must make and keep records required under				
this subpart E in accordance with subpart P of this				
part.				
(b) Under this subpart E, you must make and keep				
the following records:				
(1) The specifications established;				
(2) Documentation of your qualification of a supplier				
for the purpose of relying on the supplier's certificate				
of analysis;				
(3) Documentation for why meeting in-process				
specifications, in combination with meeting				
component specifications, helps ensure that the				
dietary supplement meets the specifications for				
identity, purity, strength, and composition; and for				
limits on those types of contamination that may				
adulterate or may lead to adulteration of the finished				
batch of the dietary supplement; and				

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(4) Documentation for why the results of appropriate				
tests or examinations for the product specifications				
selected under §111.75(c)(1) ensure that the dietary				
supplement meets all product specifications;				
(5) Documentation for why any component and in-				
process testing, examination, or monitoring, and any				
other information, will ensure that a product				
specification that is exempted under §111.75(d) is				
met without verification through periodic testing of				
the finished batch, including documentation that the				
selected specifications tested or examined under				
§111.75 (c)(1) are not able to verify that the				
production and process control system is producing a				
dietary supplement that meets the exempted				
product specification and there is no scientifically				
valid method for testing or examining such exempted				
product specification at the finished batch stage.				
(6) Documentation of FDA's response to a petition				
submitted under §111.75(a)(1)(ii) providing for an				
exemption from the provisions of §111.75(a)(1)(i).				
Subpart F—Production and Process Control System:				
Requirements for Quality Control				
§111.103 What are the requirements under this				
subpart F for written procedures?				

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You must establish and follow written procedures for				
the responsibilities of the quality control operations,				
including written procedures for conducting a				
material review and making a disposition decision,				
and for approving or rejecting any reprocessing.				
§111.105 What must quality control personnel do?				
Quality control personnel must ensure that your				
manufacturing, packaging, labeling, and holding				
operations ensure the quality of the dietary				
supplement and that the dietary supplement is				
packaged and labeled as specified in the master				
manufacturing record. To do so, quality control				
personnel must perform operations that include:				
(a) Approving or rejecting all processes,				
specifications, written procedures, controls, tests,				
and examinations, and deviations from or				
modifications to them, that may affect the identity,				
purity, strength, or composition of a dietary				
supplement;				
(b) Reviewing and approving the documentation				
setting forth the basis for qualification of any				
supplier;				
(c) Reviewing and approving the documentation				
setting forth the basis for why meeting in-process				
specifications, in combination with meeting				

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component specifications, will help ensure that the				
identity, purity, strength, and composition of the				
dietary supplement are met;				
(d) Reviewing and approving the documentation				
setting forth the basis for why the results of				
appropriate tests or examinations for each product				
specification selected under §111.75(c)(1) will ensure				
that the finished batch of the dietary supplement				
meets product specifications;				
(e) Reviewing and approving the basis and the				
documentation for why any product specification is				
exempted from the verification requirements in				
§111.75(c)(1), and for why any component and in-				
process testing, examination, or monitoring, or other				
methods will ensure that such exempted product				
specification is met without verification through				
periodic testing of the finished batch;				
(f) Ensuring that required representative samples are				
collected;				
(g) Ensuring that required reserve samples are				
collected and held;				
(h) Determining whether all specifications established				
under §111.70(a) are met; and				
(i) Performing other operations required under this				
subpart.				

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§111.110 What quality control operations are				
required for laboratory operations associated with				
the production and process control system?				
Quality control operations for laboratory operations				
associated with the production and process control				
system must include:				
(a) Reviewing and approving all laboratory control				
processes associated with the production and				
process control system;				
(b) Ensuring that all tests and examinations required				
under §111.75 are conducted; and				
(c) Reviewing and approving the results of all tests				
and examinations required under §111.75.				
§111.113 What quality control operations are				
required for a material review and disposition				
decision?				
(a) Quality control personnel must conduct a material				
review and make a disposition decision if:				
(1) A specification established in accordance with				
§111.70 is not met;				
(2) A batch deviates from the master manufacturing				
record, including when any step established in the				
master manufacturing record is not completed and				
including any deviation from specifications;				

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(3) There is any unanticipated occurrence during the manufacturing operations that adulterates or may lead to adulteration of the component, dietary supplement, or packaging, or could lead to the use of a label not specified in the master manufacturing record;				
(4) Calibration of an instrument or control suggests a problem that may have resulted in a failure to ensure the quality of a batch or batches of a dietary supplement; or  (5) A dietary supplement is returned.				
(b)(1) When there is a deviation or unanticipated occurrence during the production and in-process control system that results in or could lead to adulteration of a component, dietary supplement, or packaging, or could lead to the use of a label not specified in the master manufacturing record, quality control personnel must reject the component, dietary supplement, packaging, or label unless it approves a treatment, an in-process adjustment, or reprocessing to correct the applicable deviation or occurrence.				
(2) When a specification established in accordance with §111.70 is not met, quality control personnel must reject the component, dietary supplement,				

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package or label, unless quality control personnel approve a treatment, an in-process adjustment, or reprocessing, as permitted in §111.77.				
(c) The person who conducts a material review and makes the disposition decision must, at the time of performance, document that material review and disposition decision.				
§111.117 What quality control operations are required for equipment, instruments, and controls?				
Quality control operations for equipment, instruments, and controls must include:				
(a) Reviewing and approving all processes for calibrating instruments and controls;				
(b) Periodically reviewing all records for calibration of instruments and controls;				
(c) Periodically reviewing all records for calibrations, inspections, and checks of automated, mechanical, or electronic equipment; and				
(d) Reviewing and approving controls to ensure that automated, mechanical, or electronic equipment functions in accordance with its intended use.				
§111.120 What quality control operations are required for components, packaging, and labels before use in the manufacture of a dietary supplement?				

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Quality control operations for components,				
packaging, and labels before use in the manufacture				
of a dietary supplement must include:				
(a) Reviewing all receiving records for components,				
packaging, and labels;				
(b) Determining whether all components, packaging,				
and labels conform to specifications established				
under §111.70 (b) and (d);				
(c) Conducting any required material review and				
making any required disposition decision;				
(d) Approving or rejecting any treatment and in-				
process adjustments of components, packaging, or				
labels to make them suitable for use in the				
manufacture of a dietary supplement; and				
(e) Approving, and releasing from quarantine, all				
components, packaging, and labels before they are				
used.				
§111.123 What quality control operations are				
required for the master manufacturing record, the				
batch production record, and manufacturing				
operations?				
(a) Quality control operations for the master				
manufacturing record, the batch production record,				
and manufacturing operations must include:				

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(1) Reviewing and approving all master manufacturing records and all modifications to the master manufacturing records;				
(2) Reviewing and approving all batch production-related records;				
(3) Reviewing all monitoring required under subpart E;				
(4) Conducting any required material review and making any required disposition decision;				
(5) Approving or rejecting any reprocessing;				
(6) Determining whether all in-process specifications established in accordance with §111.70(c) are met;				
(7) Determining whether each finished batch conforms to product specifications established in accordance with §111.70(e); and				
(8) Approving and releasing, or rejecting, each finished batch for distribution, including any reprocessed finished batch				
(b) Quality control personnel must not approve and release for distribution:				
(1) Any batch of dietary supplement for which any component in the batch does not meet its identity specification;				
(2) Any batch of dietary supplement, including any reprocessed batch, that does not meet all product				

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specifications established in accordance with				
§111.70(e);				
(3) Any batch of dietary supplement, including any				
reprocessed batch, that has not been manufactured,				
packaged, labeled, and held under conditions to				
prevent adulteration under section 402(a)(1), (a)(2),				
(a)(3), and (a)(4) of the act; and				
(4) Any product received from a supplier for				
packaging or labeling as a dietary supplement (and				
for distribution rather than for return to the supplier)				
for which sufficient assurance is not provided to				
adequately identify the product and to determine				
that the product is consistent with your purchase order.				
§111.127 What quality control operations are				
required for packaging and labeling operations?				
Quality control operations for packaging and labeling				
operations must include:				
(a) Reviewing the results of any visual examination				
and documentation to ensure that specifications				
established under §111.70(f) are met for all products				
that you receive for packaging and labeling as a				
dietary supplement (and for distribution rather than				
for return to the supplier);				

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(b) Approving, and releasing from quarantine, all				
products that you receive for packaging or labeling as				
a dietary supplement (and for distribution rather				
than for return to the supplier) before they are used				
for packaging or labeling;				
(c) Reviewing and approving all records for packaging				
and label operations;				
(d) Determining whether the finished packaged and				
labeled dietary supplement conforms to				
specifications established in accordance with				
§111.70(g);				
(e) Conducting any required material review and				
making any required disposition decision;				
(f) Approving or rejecting any repackaging of a				
packaged dietary supplement;				
(g) Approving or rejecting any relabeling of a				
packaged and labeled dietary supplement; and				
(h) Approving for release, or rejecting, any packaged				
and labeled dietary supplement (including a				
repackaged or relabeled dietary supplement) for				
distribution.				
§111.130 What quality control operations are				
required for returned dietary supplements?				
Quality control operations for returned dietary				
supplements must include:				

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(a) Conducting any required material review and				
making any required disposition decision; including:				
(1) Determining whether tests or examination are				
necessary to determine compliance with product				
specifications established in accordance with				
§111.70(e); and				
(2) Reviewing the results of any tests or examinations				
that are conducted to determine compliance with				
product specifications established in accordance with §111.70(e);				
(b) Approving or rejecting any salvage and				
redistribution of any returned dietary supplement;				
(c) Approving or rejecting any reprocessing of any				
returned dietary supplement; and				
(d) Determining whether the reprocessed dietary				
supplement meets product specifications and either				
approving for release, or rejecting, any returned				
dietary supplement that is reprocessed.				
§111.135 What quality control operations are				
required for product complaints?				
Quality control operations for product complaints				
must include reviewing and approving decisions				
about whether to investigate a product complaint				
and reviewing and approving the findings and				
followup action of any investigation performed.				

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§111.140 Under this subpart F, what records must you make and keep?				
(a) You must make and keep the records required under this subpart F in accordance with subpart P of this part.				
(b) You must make and keep the following records:				
(1) Written procedures for the responsibilities of the quality control operations, including written procedures for conducting a material review and making a disposition decision and written procedures for approving or rejecting any reprocessing;				
(2) Written documentation, at the time of performance, that quality control personnel performed the review, approval, or rejection requirements by recording the following:				
(i) Date that the review, approval, or rejection was performed; and				
(ii) Signature of the person performing the review, approval, or rejection; and				
(3) Documentation of any material review and disposition decision and followup. Such documentation must be included in the appropriate batch production record and must include:				
(i) Identification of the specific deviation or the unanticipated occurrence;				

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(ii) Description of your investigation into the cause of				
the deviation from the specification or the				
unanticipated occurrence;				
(iii) Evaluation of whether or not the deviation or				
unanticipated occurrence has resulted in or could				
lead to a failure to ensure the quality of the dietary				
supplement or a failure to package and label the				
dietary supplement as specified in the master				
manufacturing record;				
(iv) Identification of the action(s) taken to correct,				
and prevent a recurrence of, the deviation or the				
unanticipated occurrence;				
(v) Explanation of what you did with the component,				
dietary supplement, packaging, or label;				
(vi) A scientifically valid reason for any reprocessing				
of a dietary supplement that is rejected or any				
treatment or in-process adjustment of a component				
that is rejected; and				
(vii) The signature of the individual(s) designated to				
perform the quality control operation, who				
conducted the material review and made the				
disposition decision, and of each qualified individual				
who provides information relevant to that material				
review and disposition decision				

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Subpart G—Production and Process Control System:				
Requirements for Components, Packaging, and				
Labels and for Product That You Receive for				
Packaging or Labeling as a Dietary Supplement				
§111.153 What are the requirements under this				
subpart G for written procedures?				
You must establish and follow written procedures for				
fulfilling the requirements of this subpart G.				
§111.155 What requirements apply to components				
of dietary supplements?				
(a) You must visually examine each immediate				
container or grouping of immediate containers in a				
shipment that you receive for appropriate content				
label, container damage, or broken seals to				
determine whether the container condition may have				
resulted in contamination or deterioration of the				
components;				
(b) You must visually examine the supplier's invoice,				
guarantee, or certification in a shipment you receive				
to ensure the components are consistent with your				
purchase order;				
(c) You must quarantine components before you use				
them in the manufacture of a dietary supplement				
until:				

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(1) You collect representative samples of each unique				
lot of components (and, for components that you				
receive, of each unique shipment, and of each unique				
lot within each unique shipment);				
(2) Quality control personnel review and approve the				
results of any tests or examinations conducted on				
components; and				
(3) Quality control personnel approve the				
components for use in the manufacture of a dietary				
supplement, including approval of any treatment				
(including in-process adjustments) of components to				
make them suitable for use in the manufacture of a				
dietary supplement, and releases them from				
quarantine.				
(d)(1) You must identify each unique lot within each				
unique shipment of components that you receive and				
any lot of components that you produce in a manner				
that allows you to trace the lot to the supplier, the				
date received, the name of the component, the				
status of the component (e.g., quarantined,				
approved, or rejected); and to the dietary				
supplement that you manufactured and distributed.				
(2) You must use this unique identifier whenever you				
record the disposition of each unique lot within each				

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unique shipment of components that you receive and				
any lot of components that you produce.				
(e) You must hold components under conditions that				
will protect against contamination and deterioration,				
and avoid mixups.				
§111.160 What requirements apply to packaging				
and labels received?				
(a) You must visually examine each immediate				
container or grouping of immediate containers in a				
shipment for appropriate content label, container				
damage, or broken seals to determine whether the				
container condition may have resulted in				
contamination or deterioration of the packaging and				
labels.				
(b) You must visually examine the supplier's invoice,				
guarantee, or certification in a shipment to ensure				
that the packaging or labels are consistent with your				
purchase order.				
(c) You must quarantine packaging and labels before				
you use them in the manufacture of a dietary				
supplement until:				
(1) You collect representative samples of each unique				
shipment, and of each unique lot within each unique				
shipment, of packaging and labels and, at a				

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minimum, conduct a visual identification of the immediate containers and closures;				
(2) Quality control personnel review and approve the results of any tests or examinations conducted on the packaging and labels; and				
(3) Quality control personnel approve the packaging and labels for use in the manufacture of a dietary supplement and release them from quarantine.				
(d)(1) You must identify each unique lot within each unique shipment of packaging and labels in a manner that allows you to trace the lot to the supplier, the				
date received, the name of the packaging and label, the status of the packaging and label (e.g.,				
quarantined, approved, or rejected); and to the dietary supplement that you distributed; and				
(2) You must use this unique identifier whenever you record the disposition of each unique lot within each unique shipment of packaging and labels.				
(e) You must hold packaging and labels under conditions that will protect against contamination and deterioration, and avoid mixups.				
§111.165 What requirements apply to a product received for packaging or labeling as a dietary supplement (and for distribution rather than for return to the supplier)?				

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(a) You must visually examine each immediate				
container or grouping of immediate containers in a				
shipment of product that you receive for packaging				
or labeling as a dietary supplement (and for				
distribution rather than for return to the supplier) for				
appropriate content label, container damage, or				
broken seals to determine whether the container				
condition may have resulted in contamination or				
deterioration of the received product.				
(b) You must visually examine the supplier's invoice,				
guarantee, or certification in a shipment of the				
received product to ensure that the received product				
is consistent with your purchase order.				
(c) You must quarantine the received product until:				
(1) You collect representative samples of each unique				
shipment, and of each unique lot within each unique				
shipment, of received product;				
(2) Quality control personnel review and approve the				
documentation to determine whether the received				
product meets the specifications that you established				
under §111.70(f); and				
(3) Quality control personnel approve the received				
product for packaging or labeling as a dietary				
supplement and release the received product from				
quarantine.				

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(d)(1) You must identify each unique lot within each				
unique shipment of received product in a manner				
that allows you to trace the lot to the supplier, the				
date received, the name of the received product, the				
status of the received product (e.g., quarantined,				
approved, or rejected), and to the product that you				
packaged or labeled and distributed as a dietary				
supplement.				
(2) You must use this unique identifier whenever you				
record the disposition of each unique lot within each				
unique shipment of the received product.				
(e) You must hold the received product under				
conditions that will protect against contamination				
and deterioration, and avoid mixups.				
§111.170 What requirements apply to rejected				
components, packaging, and labels, and to rejected				
products that are received for packaging or labeling				
as a dietary supplement?				
You must clearly identify, hold, and control under a				
quarantine system for appropriate disposition any				
component, packaging, and label, and any product				
that you receive for packaging or labeling as a dietary				
supplement (and for distribution rather than for				
return to the supplier), that is rejected and				

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unsuitable for use in manufacturing, packaging, or				
labeling operations.				
§111.180 Under this subpart G, what records must you make and keep?				
(a) You must make and keep records required under				
this subpart G in accordance with subpart P of this				
part.				
(b) You must make and keep the following records:				
(1) Written procedures for fulfilling the requirements				
of this subpart.				
(2) Receiving records (including records such as				
certificates of analysis, suppliers' invoices, and				
suppliers' guarantees) for components, packaging,				
and labels and for products that you receive for				
packaging or labeling as a dietary supplement (and				
for distribution rather than for return to the				
supplier); and				
(3) Documentation that the requirements of this subpart were met.				
(i) The person who performs the required operation				
must document, at the time of performance, that the				
required operation was performed.				
(ii) The documentation must include:				

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(A) The date that the components, packaging, labels,				
or products that you receive for packaging or labeling				
as a dietary supplement were received;				
(B) The initials of the person performing the required operation;				
(C) The results of any tests or examinations				
conducted on components, packaging, or labels, and				
of any visual examination of product that you receive				
for packaging or labeling as a dietary supplement;				
and				
(D) Any material review and disposition decision				
conducted on components, packaging, labels, or				
products that you receive for packaging or labeling as				
a dietary supplement.				
Subpart H—Production and Process Control System:				
Requirements for the Master Manufacturing Record				
§111.205 What is the requirement to establish a				
master manufacturing record?				
(a) You must prepare and follow a written master				
manufacturing record for each unique formulation of				
dietary supplement that you manufacture, and for				
each batch size, to ensure uniformity in the finished				
batch from batch to batch.				
(b) The master manufacturing record must:				

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(1) Identify specifications for the points, steps, or				
stages in the manufacturing process where control is				
necessary to ensure the quality of the dietary				
supplement and that the dietary supplement is				
packaged and labeled as specified in the master				
manufacturing record; and				
(2) Establish controls and procedures to ensure that				
each batch of dietary supplement that you				
manufacture meets the specifications identified in				
accordance with paragraph (b)(1) of this section.				
(c) You must make and keep master manufacturing				
records in accordance with subpart P of this part.				
§111.210 What must the master manufacturing				
record include?				
The master manufacturing record must include:				
(a) The name of the dietary supplement to be				
manufactured and the strength, concentration,				
weight, or measure of each dietary ingredient for				
each batch size;				
(b) A complete list of components to be used;				
(c) An accurate statement of the weight or measure				
of each component to be used;				
(d) The identity and weight or measure of each				
dietary ingredient that will be declared on the				
Supplement Facts label and the identity of each				

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ingredient that will be declared on the ingredients list of the dietary supplement;				
(e) A statement of any intentional overage amount of a dietary ingredient;				
(f) A statement of theoretical yield of a manufactured dietary supplement expected at each point, step, or stage of the manufacturing process where control is needed to ensure the quality of the dietary supplement, and the expected yield when you finish manufacturing the dietary supplement, including the maximum and minimum percentages of theoretical yield beyond which a deviation investigation of a batch is necessary and material review is conducted and disposition decision is made;				
(g) A description of packaging and a representative label, or a cross-reference to the physical location of the actual or representative label;				
(h) Written instructions, including the following:				
(1) Specifications for each point, step, or stage in the manufacturing process where control is necessary to ensure the quality of the dietary supplement and that the dietary supplement is packaged and labeled as specified in the master manufacturing record;				
(2) Procedures for sampling and a cross-reference to procedures for tests or examinations;				

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(3) Specific actions necessary to perform and verify				
points, steps, or stages in the manufacturing process				
where control is necessary to ensure the quality of				
the dietary supplement and that the dietary				
supplement is packaged and labeled as specified in				
the master manufacturing record.				
(i) Such specific actions must include verifying the				
weight or measure of any component and verifying				
the addition of any component; and				
(ii) For manual operations, such specific actions must				
include:				
(A) One person weighing or measuring a component				
and another person verifying the weight or measure;				
and				
(B) One person adding the component and another				
person verifying the addition.				
(4) Special notations and precautions to be followed;				
and				
(5) Corrective action plans for use when a				
specification is not met.				
Subpart I—Production and Process Control System:				
Requirements for the Batch Production Record				
§111.255 What is the requirement to establish a				
batch production record?				

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(a) You must prepare a batch production record				
every time you manufacture a batch of a dietary				
supplement;				
(b) Your batch production record must include				
complete information relating to the production and				
control of each batch;				
(c) Your batch production record must accurately				
follow the appropriate master manufacturing record				
and you must perform each step in the production of				
the batch; and				
(d) You must make and keep batch production				
records in accordance with subpart P of this part.				
§111.260 What must the batch record include?				
The batch production record must include the following:				
(a) The batch, lot, or control number:				
(1) Of the finished batch of dietary supplement; and				
(2) That you assign in accordance with §111.415(f) for				
the following:				
(i) Each lot of packaged and labeled dietary				
supplement from the finished batch of dietary				
supplement;				

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(ii) Each lot of dietary supplement, from the finished				
batch of dietary supplement, that you distribute to				
another person for packaging or labeling;				
(b) The identity of equipment and processing lines				
used in producing the batch;				
(c) The date and time of the maintenance, cleaning,				
and sanitizing of the equipment and processing lines				
used in producing the batch, or a cross-reference to				
records, such as individual equipment logs, where				
this information is retained;				
(d) The unique identifier that you assigned to each				
component (or, when applicable, to a product that				
you receive from a supplier for packaging or labeling				
as a dietary supplement), packaging, and label used;				
(e) The identity and weight or measure of each component used;				
(f) A statement of the actual yield and a statement of				
the percentage of theoretical yield at appropriate				
phases of processing;				
(g) The actual results obtained during any monitoring				
operation;				
(h) The results of any testing or examination				
performed during the batch production, or a cross-				
reference to such results;				

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(i) Documentation that the finished dietary supplement meets specifications established in accordance with §111.70(e) and (g);				
(j) Documentation, at the time of performance, of the manufacture of the batch, including:				
(1) The date on which each step of the master manufacturing record was performed; and				
(2) The initials of the persons performing each step, including:				
(i) The initials of the person responsible for weighing or measuring each component used in the batch;				
(ii) The initials of the person responsible for verifying the weight or measure of each component used in the batch;				
(iii) The initials of the person responsible for adding the component to the batch; and				
(iv) The initials of the person responsible for verifying the addition of components to the batch;				
(k) Documentation, at the time of performance, of packaging and labeling operations, including:				
(1) The unique identifier that you assigned to packaging and labels used, the quantity of the				

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packaging and labels used, and, when label				
reconciliation is required, reconciliation of any				
discrepancies between issuance and use of labels;				
(2) An actual or representative label, or a cross-				
reference to the physical location of the actual or				
representative label specified in the master				
manufacturing record; and				
(3) The results of any tests or examinations				
conducted on packaged and labeled dietary				
supplements (including repackaged or relabeled				
dietary supplements), or a cross-reference to the				
physical location of such results;				
(I) Documentation at the time of performance that				
quality control personnel:				
(1) Reviewed the batch production record, including:				
(i) Review of any monitoring operation required				
under subpart E of this part; and				
(ii) Review of the results of any tests and				
examinations, including tests and examinations				
conducted on components, in-process materials,				
finished batches of dietary supplements, and				
packaged and labeled dietary supplements;				
(2) Approved or rejected any reprocessing or				
repackaging; and				

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(3) Approved and released, or rejected, the batch for distribution, including any reprocessed batch; and				
(4) Approved and released, or rejected, the packaged and labeled dietary supplement, including any repackaged or relabeled dietary supplement.				
(m) Documentation at the time of performance of any required material review and disposition decision.				
(n) Documentation at the time of performance of any reprocessing.				
Subpart J—Production and Process Control System: Requirements for Laboratory Operations				
§111.303 What are the requirements under this subpart J for written procedures?				
You must establish and follow written procedures for laboratory operations, including written procedures for the tests and examinations that you conduct to determine whether specifications are met.				
§111.310 What are the requirements for the laboratory facilities that you use?				
You must use adequate laboratory facilities to perform whatever testing and examinations are necessary to determine whether:				
(a) Components that you use meet specifications;				

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(b) In-process specifications are met as specified in the master manufacturing record; and				
(c) Dietary supplements that you manufacture meet specifications.				
§111.315 What are the requirements for laboratory control processes?				
You must establish and follow laboratory control processes that are reviewed and approved by quality control personnel, including the following:				
(a) Use of criteria for establishing appropriate specifications;				
(b) Use of sampling plans for obtaining representative samples, in accordance with subpart E of this part, of:				
(1) Components, packaging, and labels;				
(2) In-process materials; (3) Finished batches of dietary supplements;				
(4) Product that you receive for packaging or labeling as a dietary supplement (and for distribution rather than for return to the supplier); and (5) Packaged and labeled dietary supplements.				
(c) Use of criteria for selecting appropriate examination and testing methods;				

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(d) Use of criteria for selecting standard reference materials used in performing tests and examinations; and				
(e) Use of test methods and examinations in accordance with established criteria.				
§111.320 What requirements apply to laboratory methods for testing and examination?				
(a) You must verify that the laboratory examination and testing methodologies are appropriate for their intended use.				
(b) You must identify and use an appropriate scientifically valid method for each established specification for which testing or examination is required to determine whether the specification is met.				
§111.325 Under this subpart J, what records must you make and keep?				
(a) You must make and keep records required under this subpart J in accordance with subpart P of this part.				
(b) You must make and keep the following records:				
(1) Written procedures for laboratory operations, including written procedures for the tests and examinations that you conduct to determine whether specifications are met;				

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(2) Documentation that laboratory methodology established in accordance with this subpart J is followed.				
(i) The person who conducts the testing and examination must document, at the time of performance, that laboratory methodology established in accordance with this subpart J is followed.				
(ii) The documentation for laboratory tests and examinations must include the results of the testing and examination.				
Subpart K—Production and Process Control System: Requirements for Manufacturing Operations				
§111.353 What are the requirements under this subpart K for written procedures?				
You must establish and follow written procedures for manufacturing operations.				
§111.355 What are the design requirements for manufacturing operations?				
You must design or select manufacturing processes to ensure that product specifications are consistently met.				
§111.360 What are the requirements for sanitation?				

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You must conduct all manufacturing operations in				
accordance with adequate sanitation principles.				
§111.365 What precautions must you take to				
prevent contamination?				
You must take all the necessary precautions during				
the manufacture of a dietary supplement to prevent				
contamination of components or dietary				
supplements. These precautions include:				
(a) Performing manufacturing operations under				
conditions and controls that protect against the				
potential for growth of microorganisms and the				
potential for contamination;				
(b) Washing or cleaning components that contain soil				
or other contaminants;				
(c) Using water that, at a minimum, complies with the				
applicable Federal, State, and local requirements and				
does not contaminate the dietary supplement when				
the water may become a component of the finished				
batch of dietary supplement;				
(d) Performing chemical, microbiological, or other				
testing, as necessary to prevent the use of				
contaminated components;				
(e) Sterilizing, pasteurizing, freezing, refrigerating,				
controlling hydrogen-ion concentration (pH),				
controlling humidity, controlling water activity (a <sub>w</sub> ),				

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or using any other effective means to remove, destroy, or prevent the growth of microorganisms and prevent decomposition;				
(f) Holding components and dietary supplements that can support the rapid growth of microorganisms of public health significance in a manner that prevents the components and dietary supplements from becoming adulterated;				
(g) Identifying and holding any components or dietary supplements, for which a material review and disposition decision is required, in a manner that protects components or dietary supplements that are not under a material review against contamination and mixups with those that are under a material review;				
<ul> <li>(h) Performing mechanical manufacturing steps (such as cutting, sorting, inspecting, shredding, drying, grinding, blending, and sifting) by any effective means to protect the dietary supplements against contamination, by, for example:</li> <li>(1) Cleaning and sanitizing contact surfaces;</li> </ul>				
(2) Using temperature controls; and (3) Using time controls.				

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(i) Using effective measures to protect against the inclusion of metal or other foreign material in				
components or dietary supplements, by, for example: (1) Filters or strainers,				
(2) Traps,				
(3) Magnets, or				
(4) Electronic metal detectors.				
(j) Segregating and identifying all containers for a specific batch of dietary supplements to identify their contents and, when necessary, the phase of manufacturing; and				
(k) Identifying all processing lines and major equipment used during manufacturing to indicate their contents, including the name of the dietary supplement and the specific batch or lot number and, when necessary, the phase of manufacturing.				
§111.370 What requirements apply to rejected				
dietary supplements?				
You must clearly identify, hold, and control under a quarantine system for appropriate disposition any dietary supplement that is rejected and unsuitable for use in manufacturing, packaging, or labeling operations.				

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§111.375 Under this subpart K, what records must you make and keep?				
(a) You must make and keep records required under this subpart K in accordance with subpart P of this part.				
(b) You must make and keep records of the written procedures for manufacturing operations.				
Subpart L—Production and Process Control System: Requirements for Packaging and Labeling Operations				
§111.403 What are the requirements under this subpart L for written procedures?				
You must establish and follow written procedures for packaging and labeling operations				
§111.410 What requirements apply to packaging and labels?				
(a) You must take necessary actions to determine whether packaging for dietary supplements meets specifications so that the condition of the packaging will ensure the quality of your dietary supplements;				
(b) You must control the issuance and use of packaging and labels and reconciliation of any issuance and use discrepancies. Label reconciliation is not required for cut or rolled labels if a 100-percent examination for correct labels is performed by				

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appropriate electronic or electromechanical equipment during or after completion of finishing operations; and				
(c) You must examine, before packaging and labeling operations, packaging and labels for each batch of dietary supplement to determine whether the packaging and labels conform to the master manufacturing record; and				
(d) You must be able to determine the complete manufacturing history and control of the packaged and labeled dietary supplement through distribution.				
§111.415 What requirements apply to filling, assembling, packaging, labeling, and related operations?				
You must fill, assemble, package, label, and perform other related operations in a way that ensures the quality of the dietary supplement and that the dietary supplement is packaged and labeled as specified in the master manufacturing record. You must do this using any effective means, including the following:				
(a) Cleaning and sanitizing all filling and packaging equipment, utensils, and dietary supplement packaging, as appropriate;				

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(b) Protecting manufactured dietary supplements from contamination, particularly airborne contamination;				
(c) Using sanitary handling procedures;				
(d) Establishing physical or spatial separation of packaging and label operations from operations on other components and dietary supplements to prevent mixups;				
(e) Identifying, by any effective means, filled dietary supplement containers that are set aside and held in unlabeled condition for future label operations, to prevent mixups;				
(f) Assigning a batch, lot, or control number to:				
(1) Each lot of packaged and labeled dietary supplement from a finished batch of dietary supplement; and,				
(2) Each lot of dietary supplement, from a finished batch of dietary supplement, that you distribute to another person for packaging or labeling.				
(g) Examining a representative sample of each batch of the packaged and labeled dietary supplement to determine whether the dietary supplement meets specifications established in accordance with §111.70(g); and				

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(h) Suitably disposing of labels and packaging for				
dietary supplements that are obsolete or incorrect to				
ensure that they are not used in any future packaging and label operations.				
§111.420 What requirements apply to repackaging				
and relabeling?				
(a) You may repackage or relabel dietary				
supplements only after quality control personnel				
have approved such repackaging or relabeling.				
(b) You must examine a representative sample of				
each batch of repackaged or relabeled dietary				
supplements to determine whether the repackaged				
or relabeled dietary supplements meet all				
specifications established in accordance with				
§111.70(g).				
(c) Quality control personnel must approve or reject				
each batch of repackaged or relabeled dietary				
supplement prior to its release for distribution.				
§111.425 What requirements apply to a packaged				
and labeled dietary supplement that is rejected for				
distribution?				
You must clearly identify, hold, and control under a				
quarantine system for appropriate disposition any				
packaged and labeled dietary supplement that is				
rejected for distribution.				

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§111.430 Under this subpart L, what records must you make and keep?				
(a) You must make and keep records required under this subpart L in accordance with subpart P of this part.				
(b) You must make and keep records of the written procedures for packaging and labeling operations.				
Subpart M—Holding and Distributing				
§111.453 What are the requirements under this subpart for M written procedures?				
You must establish and follow written procedures for holding and distributing operations.				
§111.455 What requirements apply to holding				
components, dietary supplements, packaging, and labels?				
(a) You must hold components and dietary supplements under appropriate conditions of temperature, humidity, and light so that the identity, purity, strength, and composition of the components and dietary supplements are not affected.				
(b) You must hold packaging and labels under appropriate conditions so that the packaging and labels are not adversely affected.				
(c) You must hold components, dietary supplements, packaging, and labels under conditions that do not				

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lead to the mixup, contamination, or deterioration of components, dietary supplements, packaging, and labels.				
§111.460 What requirements apply to holding inprocess material?				
(a) You must identify and hold in-process material under conditions that protect against mixup, contamination, and deterioration.				
(b) You must hold in-process material under appropriate conditions of temperature, humidity, and light.				
§111.465 What requirements apply to holding reserve samples of dietary supplements?				
(a) You must hold reserve samples of dietary supplements in a manner that protects against contamination and deterioration. This includes:				
(1) Holding the reserve samples under conditions consistent with product labels or, if no storage conditions are recommended on the label, under ordinary storage conditions; and				
(2) Using the same container-closure system in which the packaged and labeled dietary supplement is distributed, or if distributing dietary supplements to be packaged and labeled, using a container-closure system that provides essentially the same				

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characteristics to protect against contamination or deterioration as the one in which you distribute the dietary supplement for packaging and labeling elsewhere.				
(b) You must retain reserve samples for 1 year past the shelf life date (if shelf life dating is used), or for 2 years from the date of distribution of the last batch of dietary supplements associated with the reserve samples, for use in appropriate investigations.				
§111.470 What requirements apply to distributing dietary supplements?				
You must distribute dietary supplements under conditions that will protect the dietary supplements against contamination and deterioration.				
§111.475 Under this subpart M, what records must you make and keep?				
(a) You must make and keep records required under this subpart M in accordance with subpart P of this part.				
(b) You must make and keep the following records:				
(1) Written procedures for holding and distributing operations; and				
(2) Records of product distribution.				

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Subpart N—Returned Dietary Supplements				
§111.503 What are the requirements under this subpart N for written procedures?				
You must establish and follow written procedures to fulfill the requirements of this subpart.				
§111.510 What requirements apply when a returned dietary supplement is received?				
You must identify and quarantine returned dietary supplements until quality control personnel conduct a material review and make a disposition decision.				
§111.515 When must a returned dietary supplement be destroyed, or otherwise suitably disposed of?				
You must destroy, or otherwise suitably dispose of, any returned dietary supplement unless the outcome of a material review and disposition decision is that quality control personnel do the following:				
(a) Approve the salvage of the returned dietary supplement for redistribution or				
(b) Approve the returned dietary supplement for reprocessing.				
§111.520 When may a returned dietary supplement be salvaged?				

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You may salvage a returned dietary supplement only				
if quality control personnel conduct a material review				
and make a disposition decision to allow the salvage.				
§111.525 What requirements apply to a returned				
dietary supplement that quality control personnel				
approve for reprocessing?				
(a) You must ensure that any returned dietary				
supplements that are reprocessed meet all product				
specifications established in accordance with				
§111.70(e); and				
(b) Quality control personnel must approve or reject				
the release for distribution of any returned dietary				
supplement that is reprocessed.				
§111.530 When must an investigation be				
conducted of your manufacturing processes and				
other batches?				
If the reason for a dietary supplement being returned				
implicates other batches, you must conduct an				
investigation of your manufacturing processes and				
each of those other batches to determine compliance				
with specifications.				
§111.535 Under this subpart N, what records must				
you make and keep?				

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(a) You must make and keep records required under				
this subpart N in accordance with subpart P of this part.				
(b) You must make and keep the following records:				
(1) Written procedures for fulfilling the requirements				
of this subpart N.				
(2) Any material review and disposition decision on a returned dietary supplement;				
(3) The results of any testing or examination				
conducted to determine compliance with product				
specifications established under §111.70(e); and,				
(4) Documentation of the reevaluation by quality				
control personnel of any dietary supplement that is				
reprocessed and the determination by quality control				
personnel of whether the reprocessed dietary				
supplement meets product specifications established				
in accordance with §111.70(e).				
Subpart O—Product Complaints				
§111.553 What are the requirements under this subpart O for written procedures?				
You must establish and follow written procedures to				
fulfill the requirements of this subpart O.				
§111.560 What requirements apply to the review				
and investigation of a product complaint?				

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(a) A qualified person must:				
(1) Review all product complaints to determine				
whether the product complaint involves a possible				
failure of a dietary supplement to meet any of its				
specifications, or any other requirements of this part				
111, including those specifications and other				
requirements that, if not met, may result in a risk of				
illness or injury; and				
(2) Investigate any product complaint that involves a				
possible failure of a dietary supplement to meet any				
of its specifications, or any other requirements of this				
part, including those specifications and other				
requirements that, if not met, may result in a risk of				
illness or injury.				
(b) Quality control personnel must review and				
approve decisions about whether to investigate a				
product complaint and review and approve the				
findings and followup action of any investigation				
performed.				
(c) The review and investigation of the product				
complaint by a qualified person, and the review by				
quality control personnel about whether to				
investigate a product complaint, and the findings and				
followup action of any investigation performed, must				
extend to all relevant batches and records.				

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§111.570 Under this subpart O, what records must				
you make and keep?				
(a) You must make and keep the records required				
under this subpart O in accordance with subpart P of				
this part.				
(b) You must make and keep the following records:				
(1) Written procedures for fulfilling the requirements				
of this subpart,				
(2) A written record of every product complaint that				
is related to good manufacturing practice,				
(i) The person who performs the requirements of this				
subpart must document, at the time of performance,				
that the requirement was performed.				
(ii) The written record of the product complaint must				
include the following:				
(A) The name and description of the dietary				
supplement;				
(B) The batch, lot, or control number of the dietary				
supplement, if available;				
(C) The date the complaint was received and the				
name, address, or telephone number of the				
complainant, if available;				
(D) The nature of the complaint including, if known,				
how the product was used;				

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(E) The reply to the complainant, if any; and				
(F) Findings of the investigation and followup action taken when an investigation is performed.				
Subpart P—Records and Recordkeeping				
§111.605 What requirements apply to the records that you make and keep?				
(a) You must keep written records required by this part for 1 year past the shelf life date, if shelf life dating is used, or 2 years beyond the date of distribution of the last batch of dietary supplements associated with those records.				
(b) Records must be kept as original records, as true copies (such as photocopies, microfilm, microfiche, or other accurate reproductions of the original records), or as electronic records.				
(c) All electronic records must comply with part 11 of this chapter.				
§ Sec. 111.610 What records must be made available to FDA?				
(a) You must have all records required under this part, or copies of such records, readily available during the retention period for inspection and copying by FDA when requested.				

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(b) If you use reduction techniques, such as microfilming, you must make suitable reader and photocopying equipment readily available to FDA				