

Rubus berries - Proposed inspection method pack

Proposed order inspection plan | Rubus berries | As of 2026-10-16

Proposed order inspection methods. Agree the SKU, sample state, sampling plan and acceptance criteria with GreenLand and the processor before use. Source standards retain their stated scope.

This is a proposed inspection plan, not a certificate, completed test or lot result. No sample size, AQL or numeric limit is created by this document.

Whole fruit and crumbles

Method status: proposed-contract-method. Proposed for agreement on an order; not a universal standard.

Definition

Whole Rubus berry, loose drupelet and crushed mass must be distinguished by berry-type morphology.

Sample state

As received frozen, named Rubus type; separate controlled-thaw aliquot for character.

Sampling approach

Sample sealed cartons across lot; inspect frozen berries by named type; reserve separate thaw aliquot. Set carton count, aliquot mass and acceptance number in the signed buyer plan; none is assumed here.

Inspection steps

Inspect frozen black/boysen/dew/logan/young berry type separately; remove loose drupelets and crushed puree gently.

Calculation or reproducible observation

whole berries / identifiable berry units x100 by count; loose drupelet mass / net sample mass x100; crushed mass / net sample mass x100.

Proposed control response

Lower harvest/packing compression; inspect berry type and freezer belt transfer.

Evidence to retain

Record lot/pack/harvest identity, sample weight and count, method revision, equipment calibration where used, photographs of each class, raw tally, operator/date and any rework/retest. Retain Declared Rubus type, harvest/handling pressure, stem-sort rejects and frozen transfer history.

Release or disposition

Release by buyer's declared whole-fruit use or manufacturing-use profile; do not count drupelets as whole berries.

Buyer consequence

Whole berries suit garnish; detached drupelets may suit puree but change yield.

Source boundary

Operational calculation proposed for a buyer contract. Cited standard or guide informs definitions/scope only; no universal numeric tolerance or GreenLand capability is claimed.

Applicability and use boundary

For this proposed order method, we would confirm the SKU, sample condition, signed acceptance basis and factory control with the actual processor and buyer before use. This card is not an inspected-lot result or a statement of installed GreenLand capability.

Source references

P08: USDA AMS frozen Rubus berries §§52.5881,52.5888-5890. Scope: URL:
https://www.ams.usda.gov/sites/default/files/media/Frozen__Berries_%28Black%2C_Boysen%2C_etc.%29_Standard%5B1%5D.pdf

Plant material

Method status: proposed-contract-method. Proposed for agreement on an order; not a universal standard.

Definition

Rubus stem, leaf, sepal and harmless botanical pieces are distinct from grit or hazardous foreign matter.

Sample state

As received frozen, named Rubus type; separate controlled-thaw aliquot for character.

Sampling approach

Sample sealed cartons across lot; inspect frozen berries by named type; reserve separate thaw aliquot. Set carton count, aliquot mass and acceptance number in the signed buyer plan; none is assumed here.

Inspection steps

Spread frozen fruit on white tray, isolate each material; compare P08 type-specific defect definitions.

Calculation or reproducible observation

For each botanical class: piece count / net sample kg (pieces/kg) and class mass / net sample mass x100 (% w/w); grit and hard foreign material separately identified and escalated.

Proposed control response

Improve field cleaning, stem removal and optical sorting; inspect rejected material.

Evidence to retain

Record lot/pack/harvest identity, sample weight and count, method revision, equipment calibration where used, photographs of each class, raw tally, operator/date and any rework/retest. Retain Declared Rubus type, harvest/handling pressure, stem-sort rejects and frozen transfer history.

Release or disposition

Segregate physical hazards; re-sort botanical material and resample to signed method or explicitly contracted USDA grade.

Buyer consequence

Stem/leaf flecks spoil berry filling and create customer complaints.

Source boundary

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Applicability and use boundary

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Shape damage

Method status: proposed-contract-method. Proposed for agreement on an order; not a universal standard.

Definition

Expected asymmetric berry shape is not mechanical breakage; deformation, crushed flesh and thaw-soft character are separate.

Sample state

As received frozen, named Rubus type; separate controlled-thaw aliquot for character.

Sampling approach

Sample sealed cartons across lot; inspect frozen berries by named type; reserve separate thaw aliquot. Set carton count, aliquot mass and acceptance number in the signed buyer plan; none is assumed here.

Inspection steps

Inspect frozen berry outlines against same type reference; use separate standardized thawed aliquot for character.

Calculation or reproducible observation

damaged berries / inspected berries x100 by count; crushed-fruit mass / net sample mass x100; thaw-soft score using fixed photo/handling anchors.

Proposed control response

Review picking maturity, transfer height, packaging compression and frozen handling.

Evidence to retain

Record lot/pack/harvest identity, sample weight and count, method revision, equipment calibration where used, photographs of each class, raw tally, operator/date and any rework/retest. Retain Declared Rubus type, harvest/handling pressure, stem-sort rejects and frozen transfer history.

Release or disposition

Hold visible-fruit lots if contracted shape/character fails; consider puree diversion only with buyer signoff.

Buyer consequence

Shape loss undermines premium garnish but may be acceptable in compound filling.

Source boundary

Operational calculation proposed for a buyer contract. Cited standard or guide informs definitions/scope only; no universal numeric tolerance or GreenLand capability is claimed.

Applicability and use boundary

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Source references

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Colour and maturity

Method status: proposed-contract-method. Proposed for agreement on an order; not a universal standard.

Definition

Natural varietal dark/red variation differs from pale unripe fruit; wild type must not be judged by another cultivar chart.

Sample state

As received frozen, named Rubus type; separate controlled-thaw aliquot for character.

Sampling approach

Sample sealed cartons across lot; inspect frozen berries by named type; reserve separate thaw aliquot. Set carton count, aliquot mass and acceptance number in the signed buyer plan; none is assumed here.

Inspection steps

Group by declared Rubus type and compare frozen berries with signed ripe reference under fixed lighting.

Calculation or reproducible observation

unripe/discolored berries / total examined berries x100 by count; report each color cause separately.

Proposed control response

Segregate harvest maturity and berry type; adjust optical sort thresholds.

Evidence to retain

Record lot/pack/harvest identity, sample weight and count, method revision, equipment calibration where used, photographs of each class, raw tally, operator/date and any rework/retest. Retain Declared Rubus type, harvest/handling pressure, stem-sort rejects and frozen transfer history.

Release or disposition

Apply correct P08 berry-type/grade only if named; otherwise approve buyer color reference.

Buyer consequence

Unripe fruit shifts flavor and color in blended ingredients.

Source boundary

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Applicability and use boundary

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Free-flowing condition

Method status: proposed-contract-method. Proposed for agreement on an order; not a universal standard.

Definition

Free-flowing individual berries, removable contact clusters and hard juice-ice lumps are separate states.

Sample state

As received frozen, named Rubus type; separate controlled-thaw aliquot for character.

Sampling approach

Sample sealed cartons across lot; inspect frozen berries by named type; reserve separate thaw aliquot. Set carton count, aliquot mass and acceptance number in the signed buyer plan; none is assumed here.

Inspection steps

Invert closed pack twice, pour frozen contents through a funnel of signed opening, then separate hard lumps and ice.

Calculation or reproducible observation

mass freely discharged / net sample mass x100; hard-cluster mass / net sample mass x100; free ice mass / net sample mass x100.

Proposed control response

Check post-freeze belt separation, pack temperature and storage event log.

Evidence to retain

Record lot/pack/harvest identity, sample weight and count, method revision, equipment calibration where used, photographs of each class, raw tally, operator/date and any rework/retest. Retain Declared Rubus type, harvest/handling pressure, stem-sort rejects and frozen transfer history.

Release or disposition

Hold if discharge or ice criterion fails; investigate thaw-refreeze before rework.

Buyer consequence

Clumps stall volumetric dosing and cause portion variation.

Source boundary

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Applicability and use boundary

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