

Visual Defect Characteristic Codes

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [J](#) [K](#) [L](#) [M](#) [N](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#)

- A1 Brittleness - easily broken, snapped or torn.
- A2 Friability - easily pulverized.
- A3 Crumbling - broken into small pieces.
- A4 Hardening - to be firm, inflexible or not easily penetrated, as opposed to soft.
- A5 Caking - compacted into a solid cake or mass.
- A6 Coagulation/Solidification - to become solid, jelly-like, or the change of a liquid to a thickened state.
- A7 Painting/plating improper or inadequate.
- A8 Color not as specified.
- A9 Rips/Holes/Tears (fabrics).

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- B1 Cloth deterioration (thin or bare spots).
- B2 Reserved for future use.
- B3 Mildew/Mold/Rot - any discoloration, growth or decay caused by fungi.
- B4 Odor change - change in normal odor of the material/chemical.
- B5 Decay/Rot.
- B6 Reserved for future use.
- B7 Product texture - soft/mushy.
- B8 Product intermingling - grease transfer.
- B9 Torn - (Paper).

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- C1 Corrosion/Rust/Oxidation - eroding or chemical deterioration of metals.
- C2 Pitting/Porosity - containing surface depressions, hollows or pores (as opposed to smooth).
- C3 Cuts/Abrasions/Scratches/Fraying/Deformed/Warping - excessive wear, dents or bends.
- C4 Worn or used
- C5 Kinked/Tangled/Twisted/Cut or otherwise deformed - (as applied to wire, rope, string thread or tape).
- C6 Burrs/Splinters.
- C7 Reserved for future use.
- C8 Moving parts do not move freely or as required.
- C9 Missing components/parts.

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- D1 Liquefaction - passing from dry, solid or semisolid to a liquid state.
- D2 Leak (vapor): air or gas (nitrogen, oxygen, hydrogen, etc.).
- D3 Evaporation/Leakage - the loss of fluid or critical oil.
- D4 Moisture entrapment - critical on electronic tubes.
- D5 Separation, liquid - (solution separates into layers).
- D6 Decomposition - evidence by strong odor or evolution of gas.
- D7 Reserved for future use.
- D8 Reserved for future use.
- D9 Reserved for future use

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- E1 Sedimentation/Crystallization - the appearance of undissolved material in solutions.
- E2 Cloudiness or haziness of solutions as opposed to clearness (clarity).
- E3 Contamination - appearance of matter which is foreign to the product or substance in which it is contained, impurity.
- E4 Discoloration - change to a color that is not normal for the materiel.
- E5 Foreign Objects - such as loose material, dirt, chips, insulation (excess wax or lacquer).
- E6 Reserved for future use.
- E7 Reserved for future use.
- E8 Damaged, defective, missing item or parts.
- E9 Reserved for future use.

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- F1 Freezing Damage - Evidence of freezing chilled (perishable) and canned (non-perishable) products (presence of ice crystals).
- F2 Defrosting - Evidence of defrosting and refreezing.
- F3 Corrosion, metals, stage I, discoloration or staining with no direct visual evidence of pitting, etching, or other surface damage.
- F4 Corrosion, metals, stage II, red, brown, green, black, or white corrosion product accompanied by minor etching or minor surface pitting.
- F5 Corrosion, metals, stage III, red, brown, green, black, or white corrosion product with or without etching, pitting, or more extensive surface deterioration resulting in a loose or granular condition.
- F6 Corrosion, metals, stage IV, red, brown, green, black, or white corrosion progressed to the point where fit, wear, function, or life of the item has been affected. Powdered or scaly condition with pits or irregular areas of material removed from the surface of the item.
- F7 Deterioration, polymeric plastic items (celluloid, bakelite, lucite, vinyl, rubber, etc.).
- F8 Deterioration, non-plastic or organic items (cloth, leather, hair, fur, felt, paper, cork, cardboard, wood, etc.).
- F9 Reserved for future use.

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- G1 Fusion - melting or joining together of materiel.
- G2 Separation - coming apart dispersion of materiel.
- G3 Peeling/Flaking/Chipping - loss of exterior coatings due to failure to properly adhere.
- G4 Etching/Crazing/Checking - presence of a network of fine lines (other than design) or flaws, disrupting the continuity of an exposed surface. This usually applies to materiel such as rubber, plastic and glass.
- G5 Reserved for future use.
- G6 Cleaning improper or inadequate resulting in contamination (e.g., dirt, sludge, spots, or foreign matter).
- G7 Reserved for future use.
- G8 Reserved for future use.
- G9 Reserved for future use.

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- H1 Reserved for future use.
- H2 Reserved for future use.
- H3 Damaged parts.
- H4 Breakage - glass, ceramic or plastic.
- H5 Telescoping (of rolled materiel).

H6 Insulation (cracked, broken or crazed, missing or damaged).
H7 Threads damaged.
H8 Threads (protectors missing).
H9 Gage(s), pressure, panel or dial - discolored, incomplete or illegible.
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J1 Welding - incomplete, improperly cleaned, poor fusion.
J2 Soldering - insufficient or excessive solder, poor connection, improperly applied.
J3 Defective metal to glass seal.
J4 Defective cover to tube seal (hose).
J5 Seals broken (security/safety).
J6 Locking (Pin/Device) - damaged or missing.
J7 Suspension link missing.
J8 Reserved for future use.
J9 Reserved for future use.
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K1 Insect or rodent infestation.
K2 Water damage.
K3 Spots, stains, dirt, etc.
K4 Reserved for future use.
K5 Reserved for future use.
K6 Reserved for future use.
K7 Reserved for future use.
K8 Reserved for future use.
K9 Reserved for future use.
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L1 Vacuum Loss
L2 Reserved for future use.
L3 Reserved for future use.
L4 Lubrication insufficient.
L5 Adhesion - (loss of).
L6 Reserved for future use.
L7 Reserved for future use.
L8 Reserved for future use.
L9 Parts, components, or controls loose, improperly installed or assembled, out of adjustment, do not fit, or fail to function properly.
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M1 Technical Data/Color Coded - marking missing, incomplete or illegible.
(See identification marking code as indicated.)
M2 Preservation and packing (P/P) level markings omitted, illegible, or incorrect.
M3 Seals or caps missing - for cable under pressure, thread protection, dust protection.
M4 Data plate/materiel marking missing or incorrect.
M5 Reserved for future use.
M6 Inspection tag missing.
M7 Special Instructions/Warnings missing, incomplete or illegible.
M8 Operations Manual or other documentation missing, incomplete or illegible.
M9 Defective Seals, Gaskets, "O" Rings.

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- N1 Special markings omitted, illegible or incorrect. Includes shelf life and lot/batch markings.
- N2 Description/ID package marking missing, illegible, or incorrect
- N3 Contact preservative is missing, deteriorated, or inadequate
- N4 Desiccant in Method 40 package is missing, deteriorated, or inadequate
- N5 Heat seal failure (package)
- N6 Closure/seal failure (e.g., staples, stitching, glue or tape failure to make proper closure)
- N7 Reserved for future use.
- N8 Reserved for future use.
- N9 Containers/boxes not secure; stapling, nailing, or banding improper or inadequate

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- P1 Reserved for future use.
- P2 Sterile package broken.
- P3 Leakers - due to pinholes, improper closure, vapor leaks (packaging).
- P4 Wrapping/Barrier Materials improper or inadequate (packaging).
- P5 Container damaged, deteriorated, or contaminated
- P6 Electrostatic Discharge Protective package is missing, deteriorated, or inadequate
- P7 Dent, lined, or internal coated container (any dent in surface which could affect internal lining or coating is a major dent)
- P8 Dent, metal container – liquid (dent in chime or seam is a major defect)
- P9 Preservation and packing for protection omitted or incorrect.

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- Q1 Coated cloth blistered.
- Q2 Tackiness (excessive).
- Q3 Coating missing.
- Q4 Wrinkles (embedded).
- Q5 Cracks or cracking.
- Q6 Reserved for future use.
- Q7 Reserved for future use.
- Q8 Reserved for future use.
- Q9 Inspection instructions not covered by FED-STD-793.

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- R1 Reserved for future use.
- R2 Unsecured, leaking, rusted, contaminated, bulged, dented, distorted, or significantly damaged (containers).
- R3 Not securely attached, unclear, illegible, or incorrect (markings).
- R4 Hard settling, caking, jelling, skinning, curdling, seeding, rusting, putrefaction, separation (Coatings).
- R5 Not in uniform suspension with settling or caking (Ink).
- R6 Not mixable, not able to spray or deposit uniform film, or actuator not functional (Paint Aerosol Dispensers).
- R7 Uneven weave, with frayed edges, slits, or knots (Ribbons).
- R8 Performance unsatisfactory (Ribbons produce unclear, unclean, and illegible type impressions).
- R9 Separating, layering, settling, lumping, dispersing into inhomogeneous mixture when mixed (Sealants).

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- S1 Stiffness/Dryness (Leather).
- S2 Blobbing, skipping, dotting and varying density of line intensity (Pens/Markers/Refills).
- S3 Not adhering satisfactorily (Letters).
- S4 Inhomogeneous solutions with evidence of separation, sediment, putrefaction or other degradation (Liquid Chemicals).
- S5 Not free flowing with significant water absorption or other contamination (Solid Chemicals).
- S6 Not free from grit, seeds, lumps (Coatings).
- S7 Abnormal thickening, livering, pigment flotation or excessive settling (Coatings), traces of particulate matter.
- S8 Trace of particulate matter suspended or settled (Coatings).
- S9 Mixing not accomplished by specified time (Coatings).

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- T1 Reserved for future use.
- T2 Reserved for future use.
- T3 Blocked opening.
- T4 Bottle not suspended in center of chamber.
- T5 Continuity broken (single piece).
- T6 Holes/Mounting - blocked, out of alignment, off size, not drilled or incorrect quality.
- T7 Reserved for future use.
- T8 Reserved for future use.
- T9 Reserved for future use.

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- U1 Wormholes (wood).
- U2 Checks/splits - (wood).
- U3 Evidence of reaction between the container and its contents.
- U4 Container not securely sealed and contents show evidence of deterioration.
- U5 Container not tightly sealed and contents show evidence of evaporation.
- U6 Visually observable deterioration.
- U7 Typing or printing illegible or not uniform in color on all paper copies or plies.
- U8 Carbon coating appears cracked or flaky (paper).
- U9 Unsmooth, inhomogeneous mixture not free of lumps, separation or crystallization.

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- V1 Evidence of debris, mildew, rot and other physical damage.
- V2 Failed testing or evaluation; or not in accordance with standard and test methods.
- V3 Evidence of cracks, holes, flaking, corrosion, or fraying.
- V4 Evidence of leaks after testing
- V5 Not demonstrating good fluidity.
- V6 Not adhering well; fraying, other damages.
- V7 Reserved for future use.
- V8 Reserved for future use.
- V9 Reserved for future use.

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- W1 Reinforcement failure - (e.g., metal straps, wire, tape.)
- W2 Skids, runners, or materiel handling aids damaged, inadequate, or deteriorated.

- W3 Blocking and/or bracing inadequate.
- W4 Dark brown or black (not white) liquid floor wax.
- W5 Rancid (waterless hand cleaner).
- W6 Separation into components
- W7 Brittle and water absorption unsatisfactory (paper towels).
- W8 Adhesive layer has separated from the plastic sheet.
- W9 Ragged edges, cracks, pits, and dirt. Surface not smooth and not flat. Backing not completely covered by protective liner (Reflective sheeting)

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- X1 Evidence of leakage or battery terminal corrosion.
- X2 Evidence of Iodine leakage; gas permeating through bottle wall.
- X3 Kit components not intact, damaged, contaminated, tampered with; or stained or discolored kit surroundings.
- X4 Container leaking; seal not intact or tampered with; tablet packets torn, damaged, stained, discolored, soiling, or other contamination.
- X5 Powder not free flowing without clumping or not free of foreign materials.
- X6 Reserved for future use.
- X7 Reserved for future use.
- X8 Reserved for future use.
- X9 Reserved for future use.

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- Y1 Straw Paper wrapping not free of holes, dirt, and discoloration.
- Y2 Evidence of ingredient separation.
- Y3 Rancid odor.
- Y4 Signs of leakage or not having sufficient moisture (towelettes).
- Y5 Showing discoloration.
- Y6 Congealed or not in powdered state.
- Y7 Adhesive no longer active or tape tears when unwound.
- Y8 Surface with adhesive has bare spots or air pockets; adhesive not uniform in thickness or tends to separate from plastic tubing; holders showing evidence of deterioration.
- Y9 Ribbon has holes, dirt, ragged edges, and discoloration.

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- Z1 Reserved for future use.
- Z2 Reserved for future use.
- Z3 Reserved for future use.
- Z4 Reserved for future use.
- Z5 Reserved for future use.
- Z6 Reserved for future use.
- Z7 Reserved for future use.
- Z8 Reserved for future use.
- Z9 Reserved for future use.

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