Agricultural Marketing Service, USDA § 42.107

sampling to the top or bottom layers or to the corners. The best sample is one selected from all the various positions in the shipping case. It is desirable but not mandatory to limit the number of sample units to a single container from any one case. Multiple sample units may be taken from a single case but not in excess of the following plan:

(1) When containers are packed 12 or less to a case, draw a maximum of 6 sample units from any one case; and
(2) When containers are packed more than 12 to a case but not more than 60, draw a maximum of 12 sample units from any one case; and
(3) When containers are packed more than 60 to a case but not more than 250, draw a maximum of 16 sample units from any one case; and
(4) When containers are packed more than 250 in a case, draw a maximum of 24 sample units from any one case.

§ 42.106 Classifying and recording defects.

(a) Classifying defects. Examine each sample unit for the applicable type of defects listed in the table covering the container being inspected in §§ 42.112 and 42.113. Other defects, not specifically listed, shall be classified according to their effect on the intended use of the container.

(1) Related defects are defects on a single container that are related to a single cause. If the initial incident causing one of the defects had not occurred, none of the other related defects on the container would be present. As an example of related defects, a can may be a leaker and the exterior may also be seriously rusted due to the leakage of the contents. In this case, the container is scored only once for the rust condition, not for both a leak and rust. The container is scored as a "leaker" (a critical defect).

(2) Unrelated defects are defects on a single container that result from separate causes. If the incident that caused one of the defects had not occurred, the other unrelated defects on the container would still be present. As an example of unrelated defects, a can may be seriously rusted, may have a bad dent along the seam, and the label may also be detached from the can because of improper gluing. In this case it is unlikely that any of the three defects exist because of a common cause. Therefore, they are considered unrelated defects and should be scored as three defects.

(3) The lot acceptance portion of this procedure is based on the number of defects per 100 containers. It is necessary to determine if the defects on any one container are "related" defects or "unrelated" defects. A container is scored for the most serious of related defects, and is also scored for each unrelated defect.

(b) Recording defects. Record on a worksheet the number, type, and class (critical, major, or minor) of defects on each sample unit.

(c) Totaling defects. Add the number of defects in each class, then add the number of minor, major, and critical defects to obtain the total defects.

§ 42.107 Lot acceptance criteria.

(a) The acceptability of the lot is determined by relating the number and class of defects enumerated on the worksheet to the acceptance and rejection numbers shown in §§ 42.109 through 42.111 for the respective sample size and Acceptable Quality Level (AQL) because

(b) Unless otherwise specified, use the following AQL’s for the respective class of defects:

<table>
<thead>
<tr>
<th>Defect Class</th>
<th>AQL at Origin Inspection</th>
<th>AQL at Other Than Origin Inspection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>Major</td>
<td>1.5</td>
<td>2.5</td>
</tr>
<tr>
<td>Total</td>
<td>6.5</td>
<td>10.0</td>
</tr>
</tbody>
</table>

(c) Refer to the appropriate sample size and AQL and compare the number of defects found in the sample with the