NSF Standard(s) Impacted: Standard 2

Background:
Provide a brief background statement indicating the cause and nature of concern, the impacts identified relevant to public health, public understanding, etc, and any other reason why the issue should be considered by the Committee. Reference as appropriate any specific section(s) of the standard(s) that are related to the issue.

NSF has historically viewed the interface between a tight fitting cap/lid and the walls of a jar/container as being outside of the food zone and not subject to the radius requirement. All other exposed angles inside of the cap/lid would be subject to the radius requirement. Many NSF Food Equipment Standards offer an allowance for lesser radii where necessary to ensure proper functioning of parts (e.g. sealing ring grooves or precision operating parts) but NSF 2 does not offer this allowance. Perhaps some language could be added to boilerplate to address caps/lids to provide further clarity to all users of the standards.

Recommendation:
Clearly state what action is needed: e.g., recommended changes to the standard(s) including the current text of the relevant section(s) indicating deletions by use of strike-out and additions by highlighting or underlining; e.g., reference of the issue to a Task Group for detailed consideration; etc.

5.2 Internal angles and corners, food zone

5.2.1 All internal angles or corners of less than 135° shall be smooth and have radius as set forth below:

5.2.1.1 At the intersection of two planes, which result in one angle or corner, the radius shall not be less than $\frac{1}{8}$ in (0.13 in, 3.2 mm).

5.2.1.2 At the intersection of three planes, which result in three angles or corners, the radii for two of the angles or corners shall not be less than $\frac{1}{8}$ in (0.13 in, 3.2 mm) and the radius of the third angle or corner shall not be less than $\frac{1}{4}$ in (0.25 in, 6.4 mm).

5.2.1.3 Lesser radii be may used only when necessary to ensure proper functioning of parts (such as sealing ring grooves for caps and lids or precision operating parts) provided they are easily cleanable.

5.2.2 For metals, solder or other fillet material shall not be used to effect the required minimum radius of an internal angle or corner.

5.2.3 For materials other than metal, the radii specified in 5.2.1.1 and 5.2.1.2 shall be effected using parent material or a material proven to be bonded and otherwise equal to or better than the parent material.

Rationale: similar language is already used in many other NSF Food Equipment Standards.
Supplementary Materials (photographs, diagrams, reports, etc.):
If not provided electronically, the submitter will be responsible to have sufficient copies to distribute to committee members.
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