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**\* MONOGRAPH NO: 1A10**

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**ITEM: Macaroni and Cheese**

**NSN: 8940 01 518 9544**

**ITEM SPECIFICATION: PCR-M-012 Poly Tray**

**APPROXIMATE CALORIC VALUE PER SERVING: 192 Kcals**

**CHARACTERISTICS OF ITEM:**

**APPEARANCE: glossy medium orange/yellow thick cheese sauce; elbow noodles approximately 1" in length**

**ODOR: cooked cheese; sharp cheddar cheese**

**FLAVOR: cooked dairy/cooked cheddar cheese; slightly salty; cooked pasta**

**TEXTURE: thick smooth sauce; slightly soft to slightly firm pasta**

**ESTIMATED SHELF-LIFE AT: 80 DEGREES F: 36m**

**100 DEGREES F: 6m**

**POSSIBLE DETERIORATIVE CHANGES:**

**Appearance: darkened; congealed/curdled sauce**

**Odor: rancid, off; sour**

**Flavor: rancid, off dairy notes, old cheese; sour cheese; low cheddar flavor**

**Texture: congealed/thickened sauce; separated sauce; pasty pasta; gritty cheese sauce; gummy; broken pasta**

**UNIQUE EXAMINATION/TEST PROCEDURES: none**