**Reproducibility Worksheet (mR) Calculations:**

$(56.92 - 56.96) + (56.92 - 56.95) + (56.92 - 56.93) + (56.92 - 56.90) +$
$(56.92 - 56.95) + (56.92 - 56.96) + (56.92 - 56.85) + (56.92 - 56.86)$
$(56.92 - 56.90) + (56.92 - 56.90)$

$(-.04)^2 + (-.03)^2 + (-.01)^2 + (.02)^2 + (-.03)^2 + (-.04)^2 + (.07)^2$
$+ (.06)^2 + (.02)^2 + (-.02)^2$

$.0016 + .0009 + .0001 + .0004 + .0009 + .0016 + .0049$
$+ .0036 + .0004 + .0004$
$= 0.0148$
$\div 9$
$= 0.00164$
$\sqrt{\phantom{x}}$
$= 0.04$
$\div 56.92$
$= .00071$

**Conclusion:**

**Acceptance Criteria as per the SC35:** Coefficient of variation ✓ within 0.05

**PASS** ✓ **FAIL** ___

**Reproducibility Worksheet (time) Calculations:**

① $(100.24 - 99.87) + (100.24 - 100.4) + (100.24 - 100.4) +$
$(100.24 - 100.4) + (100.24 - 99.86) + (100.24 - 100.4) +$
$(100.24 - 99.86) + (100.24 - 100.4) + (100.24 - 100.4)$
$+ (100.24 - 100.4)$

② $(.37)^2 + (-.16)^2 + (-.16)^2 + (-.16)^2 + (.38)^2 + (-.16)^2$
$+ (.38)^2 + (-.16)^2 + (-.16)^2 + (-.16)^2$

③ $.13 + .02 + .02 + .02 + .14 + .02 + .14$
$+ .02 + .02 + .02 = .55/9 = .0611$

$\sqrt{.0611} = .247$

$.247 \div 100.24 = .0024$
(mean)

**Conclusion:**
**Acceptance Criteria as per the SC35:** Coefficient of variation within 0.05

**PASS** ✓ **FAIL** ___

**Reproducibility Worksheet (kVp) Calculations:**

(79.47 - 79.57) + (79.47 - 79.4) + (79.47 - 79.26) + (79.47 - 79.61) + (79.47 - 79.41) + (79.47 - 79.48) + (79.47 - 79.46) + (79.47 - 79.47) + (79.47 - 79.49) + (79.47 - 79.51)

$(.1)^2 + (.07)^2 + (.21)^2 + (.14)^2 + (.06)^2 + (-.01)^2 + (.01)^2 + (0)^2 + (-.03)^2 + (-.04)^2$

.01 + .0049 + .0441 + .0196 + .0036 + .0001 + .0004 + .0016 = .0843/9 = .00936

$\sqrt{.00936} = .097$

.097 ÷ 79.47 (mean) = .0012

**Conclusion:**

**Acceptance Criteria as per the SC35:** coefficient of variation within 0.05

**PASS** ✓ **FAIL** ___