

Table 3. Rating Scale for Probability of Failure Detection

Rating	In Service	Manufacturing QC
1	Almost certain	100% automatic inspection (SPC) + routine calibration & maintenance
2	Very high	100% automatic inspection (SPC)
3	High	100% SPC ($C_{pk} = 1.33$)
4	Moderately high	100% SPC
5	Moderate	some SPC plus 100% final inspection
6	Low	100% manual inspection using go/no-go gauges
7	Slight	100% manual inspection in the process
8	Remote	samples inspected, 100% no defects
9	Very remote	samples inspected by acceptable quality level
10	Almost none	no inspection