

# How Would You Describe Each of Your Weighing Processes?



Your Rating: Effects on Quality, Cost, Safety, Efficiency and Waste	Quality Impact	Process Tolerance %
Super-critical components: high effect and / or cost	Acute	< 0.1
Expensive, very critical, components or processes	Crucial	0.1
Key components & processes	Very High	0.2
Above average quality & critical processes	High	0.5
Average requirements & processes	Median	1
Inexpensive base materials	Low	2
Low cost materials and products with low effectivity	Negligible	5 ~ 10

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# Rule of Thumb

## A Safety Factor Ensures Reliable Measurements



Your Considerations for Safe Weighing	Safety Factor
No considerations for variations in the device, operators or environment. High potential for Out of Specification (OOS) results.	1
Devices are installed in an ideal environment. Not recommended due to statistical variations. Potential for OOS results.	1.5
“Laboratory conditions” – insignificant environmental influences, one or two operators.	2
“Production conditions” – accounting for one or two low-magnitude influences such as temperature variation or low-frequency vibration, several operators.	3
Increasing levels of safety consideration accounting for many low-magnitude environmental influences, several operators, heavy usage or accumulated debris, varying tare containers. Portable Scales.	4 - 10

Note: Higher-magnitude variations in environmental conditions (temperature, vibration, wind) must be eliminated. In these cases, increasing the safety factor will not bring the desired results.

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