

**Checklist Specifications and requirements including exemplary description (please complete page 2)**

Specification	Details
Material to be measured	e.g. Coal, coffee, washing powder, salt, fertilizer, Pharmaceutica ...
Type of particles	Granules, powder, fibers, . . .
Shape of particles	e.g. spherical, elongated, irregular broken, crystals
Behavior of particles	e.g. sticky, wet, abrasive, hazardous substances
Particle concentration, Throughput	e.g. 10 vol.-%, xx tons per hour, xx Kg per minute
Particle size range, from ...to, D10/50/90 or sieve classes	e.g. 1- 1000 µm
Measurement situation	e.g. free-fall, pneumatic conveying, inside fluid bed
Process	e.g. fluid bed, Mixer, grinding, compacting, sieving
Type of process, Process time	Continuous, Batch xx min.
Type/Manufacturer of process equipment	e.g. WSG 300 by Glatt, 50-l mixer by Diosna, Fluid Bed 100 KG by GEA . . .
Measured variable	e.g. q <sub>0</sub> , q <sub>3</sub> , Q <sub>0</sub> , Q <sub>3</sub> , X10/50/90, Sieve fractions etc...
Validation method	e.g. comparison with own measurement, Laser diffraction, Sieving analyses, microscopy, manual measurements, etc...?
Data transfer	e.g. link to process control system, stand alone system, Online-monitoring
Special Needs	Pharma, GMP, Food ...
Process conditions	e.g. temperature, pressure, ATEX (class?),
Intended use of the measurement for:	e.g. process control, reduce off-spec, enhance process transparency, control of product quality . . . .

Completed by: \_\_\_\_\_

Date: \_\_\_\_\_

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