

## General Quality Assurance Requirements for Suppliers of Bayern-Chemie

These requirements come into effect, if not otherwise agreed in the individual contract.

For best compliance of testing scopes and documentation, the following regulations apply:

1. When placing an order "with inspection records of most important dimensions, i.e. all inspection dimensions", the dimensions measured are ascertained by operator inspection and put down in the inspection records.
2. When placing an order "with Inspection Certificate 3.1 according to EN 10204:2004", the inspection dimensions (normally marked with an oval in the drawing) are measured in a final inspection separately and accordingly recorded in an Inspection Certificate. Appended the lot number of the raw material used is to be annotated. On demand, a photocopied of Inspection Certificate of the raw material(s) used to produce the contractual item, has to be enclosed.
3. All performance and expenditures rendered for the conduction of evidence of product quality are contractual subject between Bayern-Chemie and the contractor.
4. Actual dimensions are entered into the inspection records in full and displayed accuracy; tests by means of go/no-go gauges or male/female halves shall be outlined in the inspection reports or Inspection Certificate respectively, such as: "tested with gauge XY" or "counterpart XY".
5. Measuring and inspection devices have to be clearly marked, periodically calibrated and adequately maintained. The calibration standards have to be retraceable straight to their related national standards. The calibration status must be affixed in plain sight.
6. Generally, single parts are to be clearly marked with their drawing number (engraved, electric pen, figure stamps for parts with subsequent surface finishing etc.). The marking's position has to be defined in the drawing, i.e. to be agreed.
7. If technical modifications prove to be necessary or to be supplemented during manufacturing due to various causes, they need to be approved by Bayern-Chemie. In any case Purchasing has to be notified thereof in writing, in order to ensure these modifications to be handled in the technical documentation.
8. **Lot sample sizing:**  
Starting with lot quantities of more than 280 pcs, it is allowed to switch to lower sample rates (sample by var(iables)) if conditions are fulfilled as follows:
  - The lot is processed continuously by automatic means (e.g. CNC devices).
  - A statistical test shall demonstrate that related characteristics following a Normal (Gaussian) Distribution (e.g. Student t-test). This demonstration shall be part of the delivery documentation.
  - The related characteristic will be reported as numeric value.

Stipulation of samples to be drawn:

delivery quantity (pcs)	samples	delivery quantity (pcs)	samples	samples by var
1 to 2	all	91 to 150	20	
3 to 15	3	151 to 280	32	
16 to 25	5	281 to 400	50	20
26 to 50	8	401 to 500	50	25
51 to 90	13	501 to 1,200	80	35

Beyond lot sizes of 1,200 pcs, DIN ISO 3951 (inspection by variables) and DIN ISO 2859 (inspection by attributes) shall be used, both initially starting at Level II, normal inspection, single sampling plan. AQL (Acceptable Quality Level) definitions will be agreed in the contract.

9. Failures/deviations occurred are to be reported in a written concession and to be sent to Bayern-Chemie, Quality Assurance or Purchasing for decision. Delivery can only be executed upon written approval by Bayern-Chemie.
10. All inspection records and/or Inspection Certificate are to be enclosed together with the delivery note and the parts.
11. All delivery documents have to carry full data of the purchase order, such as P.O. number, date, denomination of parts, drawing number etc.
12. All incoming deliveries are inspected for their quality, timely arrival and completeness of delivery documents and assessed on a quarterly basis by Bayern-Chemie.
13. All P.O. pertinent documentation and manufacturing data must be retained for a period of at least **10 years** from delivery, unless agreed otherwise.