

Automotive Coatings Certificate of Analysis (COA) & Shelf-life Requirements

For any raw material delivery to a PPG Coatings facility, the Certificate of Analysis (COA) must be sent 24 hours in advance of the delivery, otherwise agreed.

This allows PPG COA data into the system to check for any out of specification issues. The COA should be a separate attachment when emailed. The email subject line should include the material CHAMP code or PPG material code and the lot # to be received.

Shelf life:

Any material shipped into a PPG facility shall have a minimum of 50% of remaining (or a minimum of 6 months for shelf life values exceeding 1 year). If any specific raw material lot has been re-certified by the supplier to extend the shelf life, it must be indicated on the COA. The new expiry date must then be stated on the COA.

If less than the minimum stated above, prior approval from the PPG receiving site(s) is required.

For some supplier's processes, the shelf life warranty starts from the date of filling and/or shipping to PPG. These instances can be reviewed on a case-by-case basis by PPG. If approved, the fill/ship date can be provided in place of the manufacturing date. The use of the fill/ship date in lieu of manufacturing date must be indicated on the COA for our records.

Any material received out of specification will be automatically rejected

Please verify ahead of time that you have the correct and agreed upon PPG required properties and specification ranges. Any material received out of specification will be automatically rejected unless an agreement has been reached prior to delivery.

Skip lot testing is performed by PPG on many incoming raw materials. In addition to testing properties, many materials are sampled and tested for dirt and/or crater causing contamination.

Approval from PPG is required for any modification of the specifications, characteristics or properties of the material supplied. Please contact the receiving PPG facility if you have any questions.

The Certificate of Analysis must have:

- **Manufacturer/producer name and location**
- **Original Bulk lot number ⁽¹⁾**
- **Delivered lot number**
- **PPG CHAMP code**
- **PPG PO Number**
- **Manufacturing date**
- **Expiry date**
- **Recertification date (if applicable)**
- **Revised expiry date (if applicable)**
- **Specifications and test methods**
- **Summary of test results**
- **Type of inspection performed (acc. to EN10204 or equivalent ⁽²⁾)**

| CERTIFICATE OF ANALYSIS (EXAMPLE) | | | | | | |
|-----------------------------------|-------------------|---------------------|---------------|------------------|--------------|-------------------|
| Manufacturer: | ACME SOLVENTS | Location: | City, Country | | | |
| Distributor (if applicable): | ACME DISTRIBUTION | Delivery Date: | 15/01/2021 | | | |
| Customer: | PPG Industries | Manufacturing date: | 01/01/2021 | | | |
| Product: | MAGI-SOL™150 | Expiry date: | 01/01/2022 | | | |
| PPG Code: | SL-01-0101 | | | | | |
| Original Bulk Lot number: | S23456744 | | | | | |
| Delivered Lot number: | D238836 | | | | | |
| | | | | | | |
| TEST | RESULTS | UNITS | MIN | MAX | TEST METHODS | ORIGIN |
| Appearance | PASS | - | | VISUAL PASS/FAIL | M-001 | Filling/Packaging |
| Acidity | 0.0003 | % | 0 | 0.004 | MC-002 | Bulk |
| Color | 3.5 | Pt-Co | 0 | 5 | M-003 | In Process |
| Aromatic content | 99.9 | % Weight | 99 | 100 | D-1319 | Manufacturer |
| Sulfur | 0.02 | ppm | 0 | 5 | D-5453 | Manufacturer |
| Benzene | 1 | ppm | 0 | 50 | D-002 | Manufacturer |
| Flash Point | 157 | °C | 150 | - | MC-56 | Bulk |
| | | | | | | |
| John Labguy | | | | | | |
| QC Technician | | | | | | |

(1) If supplier is using different lot numbers for different packaging/processes, the 'parent' lot or original bulk lot number must be stated in the COA in addition to the delivered lot number to have full traceability.

(2) If the reported results are not derived from sampling the finished lot, it should be noted on the certificate of analysis. In such cases the supplier shall add a remark to ensure that the data in the COA is fully traceable, shall indicate the origin of sample for testing or the origin of the testing (in process, bulk, filling/packaged lot, manufacturer..., etc.).

An additional COA or annexed data must be issued when additional testing is performed by a distributor/re-filler (ex. repackaging a bulk material from the manufacturer).