



CERTIFICATE OF ANALYSIS (COA)

DIRECTION OPÉRATIONNELLE ACHAT

Referential for writing the Certificate of Analysis (COA) or the certificate of compliance

1. PURPOSE

This document define the content of the Certificate of Analysis (COA) or Certificate of Compliance required from the supplier for each delivery.

2. SCOPE

This document applies for all Raw Material suppliers who deliver Michelin's plants or Michelin's sub-contractors' plants.

3. PRINCIPLE

The nature and the content of the requested certificate are defined by Michelin.

The text of the certificate must be written in the language of the country where the product is received, or, by default, in English.

Each COA corresponds to a unique batch. (The analytical results on the COA only concern one lot in particular).

When a batch is delivered in more than one delivery (example: for various Michelin plants), the COA related to the batch must be attached to each delivery.

If one delivery includes several batches, there will be as many COA's as batches

1 - Supplier Certificate of Analysis “COA” :

| Mandatory information | Other information which may be required (non-exhaustive list) | Additional information |
|---|---|--|
| Name of the supplier including supplier production site and/or Identification of the supplier production site NIF(1) | | (1) Identifier of the supplier production site, Michelin sends the identifier to the supplier Identifier with five digit for Rubber Compounding raw materials and Metal Reinforcements (eg : 12345) Identifier with 7 alphanumerical characters for Textile (eg: FO12345). <i>This identifier is not mandatory for natural rubber products</i> |
| | Name of the Michelin plant receiving the product (2) | (2) Three-letter alphabetical identifier or full name for the plant. Refer to the list of plants (See attached list). |
| Product identification: <ul style="list-style-type: none"> • Product code (3) • Lot number (Batch) (4) • Date of Fabrication (Manufacturing date) (5) • Trade name (6) | | (3) Alphanumerical identifier, Michelin gives this identifier to the supplier. <i>Examples: PG00218AB for Rubber compounding raw materials except natural rubber</i> <i>..... Trade Name + packer code for Natural Rubber</i> <i>FM00001AG for wire rod</i> <i>AS12345 AA for steel cord</i> <i>AT76107X08 for Textile</i> (4) Supplier format – Lot number (batch) must be a unique reference number. For natural rubber, Lot number =SMPT batch number (n°Orchid) (5) Date of Fabrication (Manufacturing date) or rolling date and number of rolling format DD/MM/YYYY (6) Trade name mandatory only for Rubber compounding raw materials (Metal and Textile reinforcements are not concerned). |
| | Description of the receipt: <ul style="list-style-type: none"> • Michelin purchase order number • Total quantity of batch product delivered (7) • Type of packaging and number of units | (7) Kilogram : Kg |
| Analytical results (8) of the batch and units (9) for each requested characteristic (Specifications characteristics or specific requests negotiated with the supplier.) | <ul style="list-style-type: none"> • Reminder of specifications • Measurement or calculation methods used | (8) Michelin gives Michelin code for each characteristic to the supplier through specifications. (9) For each characteristic, supplier measurement unit is same as the one requested in cahier des charges For “Rubber compounding raw materials”: 1 single expected value For “Textile and metal reinforcements”: <ul style="list-style-type: none"> - Average value and standard deviation - Number of values taken into account in calculation - Minimum and maximum individual values |
| Name and/or endorsement of the person responsible for the document (Protected Electronic signature is acceptable only if the name of responsible person appear clearly) | Endorsement date | |

2 - Certificate of Compliance :

The content of the Certificate of Compliance is identical to the content of the Certificate of Analysis, except the “**analytical results**” section which is replaced by a “**declaration of compliance.**”

3 – Identifier list of Michelin site :

| Zone / Country | | Delivery plant | Plant identifier |
|----------------|--------------------------|----------------------------|------------------|
| Eur | Italie/Italia | ALESSANDRIA | ALE |
| AdN | Etats Unis/United States | ANDERSON | AND |
| Eur | Espagne/Spain | ARANDA | ARA |
| AdN | Etats Unis/United States | ARDMORE | ARD |
| AdN | Etats Unis/United States | ASHEBORO | ASH |
| Eur | Allemagne/Germany | BAD KREUZNACH | BKR |
| Eur | France | BASSENS | CSM |
| Eur | France | BOURGES | URG |
| AdN | Canada | BRIDGEWATER | BRI |
| AdS | Brésil/Brazil | CAMPO GRANDE | CGR |
| Eur | France | CATAROUX | CTX |
| Asie | Inde/India | CHENNAI | UCH |
| Eur | France | CHOLET | CHO |
| AdN | Etats Unis/United States | COLUMBIA | CLB |
| AdN | Etats Unis/United States | COVINGTON | GEO |
| Eur | Italie/Italia | CUNEO | CNO |
| Eur | France | COMBAUDE (Renfort TEXTILE) | CED |
| AdN | Etats Unis/United States | DOTHAN | DTH |
| Eur | Russie/Russia | DAVYDOVO | DVY |
| Eur | Italie/Italia | FOSSANO | FOS |
| AdN | Etats Unis/United States | FORT WAYNE | FTW |
| Eur | France | GOLBEY/EPINAL | UGO |
| Eur | France | LES GRAVANCHES | GRV |
| AdN | Etats Unis/United States | GREENVILLE | US1 |
| Asie | Thaïlande/Thailand | HAT YAI | HTY |
| Eur | Allemagne/Germany | HOMBURG | HBG |
| Eur | Allemagne/Germany | KARLSRUHE | KAR |
| Eur | France | LADOUX | LAD |
| Asie | Thaïlande/Thailand | LAEM CHABANG | LMC |
| Eur | Espagne/Spain | LASARTE | UES |
| AdN | Etats Unis/United States | LEON | MX2 |

| Zone / Country | | Delivery plant | Plant identifier |
|----------------|--------------------------|----------------------------------|------------------|
| AdN | Etats Unis/United States | LEXINGTON/COLUMBIA (GC+AG) | LXT |
| AdN | Etats Unis/United States | LOUISVILLE | LSU |
| Eur | France | MONTCEAU | UMO |
| Asie | Thaïlande/Thailand | NONGKAE | NKE |
| AdN | Etats Unis/United States | NORWOOD | NWD |
| Eur | Hongrie/Hungaria | NYIREGYHAZA | NYH |
| Eur | Pologne/Poland | OLSZTYN | OLS |
| AdN | Canada | PICTOU | PPC |
| AdN | Etats Unis/United States | PRIME | PR1 |
| Eur | France | LE PUY | CPY |
| Asie | Thaïlande/Thailand | PHRAPRADAENG | PPD |
| AdN | Mexique/Mexico | QUERETARO | QUE |
| AdS | Brésil/Brazil | RESENDE | RES |
| Asie | Thaïlande/Thailand | BAN-KHAI (RAYONG, Renfort METAL) | RYG |
| Eur | France | ROANNE | UFR |
| AdN | Etats Unis/United States | US10 – GC at Starr | SCA |
| Asie | Chine/China | SHEN YANG | SY2 |
| AdN | Etats Unis/United States | SPARTANBURG | SPA |
| AdN | Etats Unis/United States | STARR | STA |
| Asie | Chine/China | SHANGHAI (Renfort METAL) | SWR |
| Asie | Chine/China | SHANGHAI | SMW |
| Eur | France | TOURS | UJO |
| Eur | Allemagne/Germany | TREVES | TRV |
| Eur | France | KLEBER TROYES | TRO |
| Eur | Serbie/Serbia | TIGAR | TRP |
| Eur | Italie/Italia | TURIN STURA | TST |
| AdN | Etats Unis/United States | TUSCALOOSA | TUS |
| Eur | Hongrie/Hungary | CARBONPACK | TUZ |
| AdN | Etats Unis/United States | TWEEL at Greenville | TW1 |
| Eur | France | VANNES | VAN |
| Eur | Roumanie/Roumania | VICTORIA | VCT |
| Eur | Espagne/Spain | VITORIA | VIT |
| Eur | Espagne/Spain | VALLADOLID | VLD |
| AdN | Canada | WATERVILLE | WAT |
| Eur | Roumanie/Roumania | ZALAU | ZAL |
| Eur | Roumanie/Roumania | ZALAU (Renfort METAL) | ZAR |