



CARSURIN
Quality With Integrity



CHARCOAL FACTORY AUDIT & PRE-SHIPMENT INSPECTION PROGRAM



Indonesia is a major producer of charcoal, carbon and carbon black products, with significant volumes of these products exported to end users all over the world, including Europe, Middle East, Africa and the USA.

As the world's largest container shipping company, MAERSK LINE offers reliable, flexible and eco-efficient ocean transportation for these charcoal products to all parts of the world within a framework of safety for all parties concerned.

Charcoal As Dangerous Goods

However, due to their material content and production methods, these charcoal product shipments have encountered cases of auto ignition, or self-combustion during voyage. A full-blown container fire on board a container vessel is extremely serious – from damage to cargo through to total destruction of vessel and loss of human life.

Minimizing Risks

MAERSK LINE Indonesia has launched an industry-leading program with the objective to reduce the risks associated with the shipment of charcoal, carbon and carbon black products. **PT CARSURIN** has been exclusively appointed to work together with MAERSK LINE Indonesia to carry out this work.

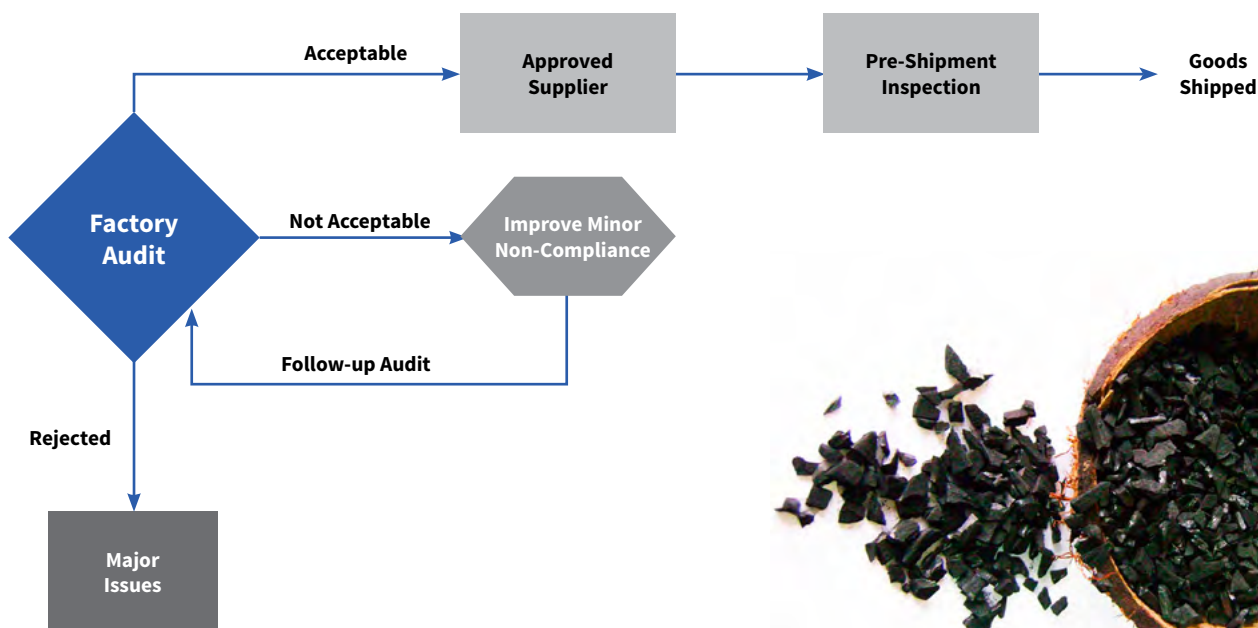
This charcoal factory audit and verification program has the objective to reduce the risk of on-board vessel fires through a two-step process:

1. **A factory audit**, which will qualify those producers/suppliers that can be accepted to ship their products on-board MAERSK LINE vessels,
2. **Shipment by shipment control**, at the level of pre-shipment inspection and verification.

Charcoal product producers who have successfully passed the factory audit will therefore gain a competitive advantage with the buying community.

CARSURIN, as the appointed auditor for MAERSK LINE, will conduct the program for factory audits and verification for charcoal, carbon and carbon black producers/suppliers by performing:

- a. **Factory Audit (Primary)** – An in-depth supplier qualification audit performed every three years.
- b. **Factory Audit (Surveillance)** – A routine supplier monitoring audit performed annually in between primary audits.
- c. **Pre-Shipment Inspection** – Verification, vanning survey and sample testing of individual containers by shipment. Representative samples will be tested in CARSURIN laboratories in accordance with ASTM and IMDG standards.



Upon completion of the factory audit, each producer will receive one of the following appraisals:

- a. **Acceptable:** The factory has no serious identifiable organizational, documentary, process, control, or safety issues and is certified to ship their charcoal, carbon or carbon black products on MAERSK LINE Indonesia vessels for a period of 12 (twelve) months, at which time an annual review is necessary to maintain an “Acceptable” rating.
- b. **Not Acceptable:** The audit findings reflect that the factory has some minor organizational, documentary, process, control or safety issues. In this situation, the factory shall **not** be authorized to ship their charcoal, carbon or carbon black products on MAERSK LINE Indonesia vessels until the non-compliant items are substantially remediated. A follow-up audit is scheduled within a period of 3 (three) months.

If the problems are corrected to the auditor’s satisfaction, then the status of the factory will be elevated to “Acceptable”. If the factory has made no attempt to address the problems at the time of the second visit, the factory will be downgraded to a “Rejected” status.

- c. **Rejected:** The factory has major issues of non-compliance. In this situation, the factory shall not be authorized to ship their charcoal, carbon or carbon black products on MAERSK LINE Indonesia vessels. If, at a later date, the factory feels that they have corrected these problems, a CARSURIN auditor may re-start the audit process with a “Primary Factory Audit” of the facility.

Your cooperation is highly appreciated, as this program will serve to mitigate the risks of self-ignition and help to protect the cargo and ship’s crew aboard MAERSK LINE vessels.





PT. CARSURIN
 Wisma 77 - Tower 2, 19th Floor
 Jl. Letjen S. Parman Kav. 77 - Slipi,
 Jakarta 11410
 INDONESIA

P: +62.21.2967 5868
 F: +62.21.2967 5818 / 2967 5828
 E: headoffice@carsurin.com
 charcoal@carsurin.com
 www.carsurin.com

