



Batteries

HCT-202609-01

EU Issues Draft Methodology on Calculation and Verification of Recycled Materials for Battery Regulation

Recently, the European Commission released a draft authorizing regulation aimed at supplementing **the calculation and verification of cobalt, nickel, lithium, and lead recycled material content** in the Battery and Waste Battery Regulation. The draft is currently in the public feedback period, with the core contents as follows:

Scope of application

Industrial batteries with capacities greater than 2 kWh (excluding batteries that only use external storage methods), electric vehicle batteries, SLI and LMT batteries.

Calculation rules

Battery manufacturers should calculate the following two indicators for each battery model, annually, and at each manufacturing plant: first, the percentage of mass of cobalt, lithium, or nickel present in active materials and recovered from battery manufacturing or post-consumer waste; Second, the percentage of lead present in the battery and recovered from scrap. Battery manufacturers and their supply chain stakeholders should calculate the recycled content in each component of their output.

Regulatory chain

The draft adopts a chain-based regulatory model of "factory-level material balance + quantity verification + recycling credit mechanism." Each link in the supply chain must use digital computing tools at the manufacturing plant level to record input/output material data, establishing a full-chain traceability system to ensure traceability of recycled materials from recycling to battery manufacturing.

Verification and documentation requirements

Battery manufacturers should record input data, calculate the obtained data, and the content of recycled materials according to the prescribed format. For each document year, manufacturers should prepare or update the calculated results of the recorded regeneration content according to Section 2.5 and provide relevant documents to the Notified Body, among other provisions.

HCT SOLUTION:

Waltek HCT Testing will continue to track the progress of this draft, providing professional regulatory interpretation and compliance technical support to battery industry chain enterprises, helping them smoothly meet EU battery regulatory requirements.

