

REDcert² - certification solution for the chemical industry

Process-specific mass balancing



Mass Balancing

is a **method** that allows companies to mix sustainable and fossil materials during production. In chemical processes, tracing of individual components is often not possible, so a comparison of input and output is made.

If sustainable materials are mixed into the fossil raw material, this **substitution rate** is taken over to the products. For example, if 50% of the raw materials were recycled, a recycling rate of 50% is considered for all the products in terms of mass balance - even then all individual items consist of mixed materials in varying percentages. This process is often combined with additional **attribution** methods. This process allows companies to mix and store multiple deliveries in the same tank or co-process recycled and conventional materials, which in turn even ensures consistent quality without the need of constructing distinct infrastructure. Under the **REDcert² scheme** for the chemical industry, **mass balancing is subject to certification** to ensure that the overall balance is met.

