

cradle to cradle® QUALITY STATEMENT

FOR

REMONDIS®

IM AUFTRAG DER ZUKUNFT

Process Evaluation

Topic: Evaluation of a process for treatment of food waste with materials recovery

Company: REMONDIS SE & Co. KG with SARIA A/S GmbH & Co. KG

Assessed by: EPEA Internationale Umweltforschung GmbH

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Cradle to Cradle® Quality

Cradle to Cradle® is a design concept for innovative products and economic systems, based on natural principles. The creation of complete, potentially endless, high quality materials cycles, so called „nutrient cycles“, is a key aspect of the design concept. At the end of the product use period the materials are recovered at the same or higher quality; in the case of consumption products, the materials can be safely released into the environment. The key goals are:

- Products and material flows are designed to maintain the Technical and Biological Nutrients contained in them as such
- Reducing dependence of industrial and economic success on the availability of finite primary raw materials
- Creation of beneficial products for humans, the economy and the environment

Evaluation Summary

The materials stream comprised of food waste, leftover meals and edible oils from hotels, canteens and old people's homes is processed in a biogas plant as part of an integrated materials and energy recovery cascade system. The collection of waste materials is run as a useful and convenient service for customers. Up to 98% of the biological fraction of the materials stream is used in the production of new high quality biological products (biogas, fertiliser and biodiesel). The process recovers the „Biological Nutrients“ to a large extent and makes them available for use in the „Biological Cycle“ according to Cradle to Cradle®. This materials recovery process therefore makes a valuable contribution towards achieving an integrated Cradle to Cradle® biological materials economy.



Biological
Cycle



Content
approved



Biological quality
products

Hamburg, 11.2.2016

Place and date

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