



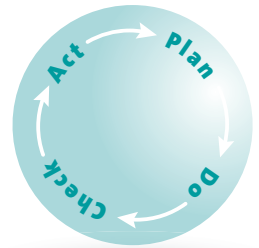
# Environmental brochure 2024



**SystemKosmetik**  
Produktionsgesellschaft  
für kosmetische  
Erzeugnisse mbH



Editorial



Dear readers

in these extraordinary times, the corona crisis, special measures were and are necessary. The top priority is and was to preserve the health of our employees, customers and business partners. Thanks to the measures taken in development, production, administration and sales, we have been able to master the situation well to date.

The goal is a voluntary commitment to do more than is required: Demand sustainability, demonstrate product stewardship, create greater safety for plants and neighborhoods, improve occupational health and environmental protection.

Protecting natural resources must be part of everyone's thinking in a company.

We are more committed than ever to this idea in our development, production, packaging, administration and logistics activities.

## TOGETHER FOR A HEALTHY FUTURE

Let us face the challenge of striking a balance between economic survival and the fight against climate change together and with determination, so that future generations can look forward to a healthy future.

Stay healthy!

Directors

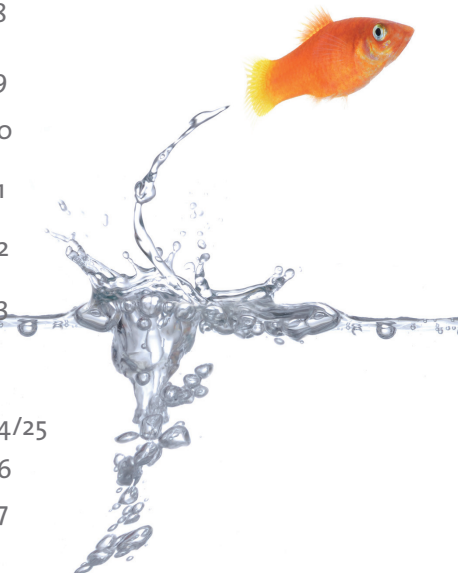
Stella Schmid, Petra Mikschl, Dietmar Schmid





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## The location – Company History



Münster am Lech is a municipality in Bavaria in the administrative district of Swabia. It is located directly on the Lechleite. This is the steep bank that borders the beautiful Lech Valley to the east and west. The appearance of the village is characterized by this basic topographical situation.

It all started in 1989 with a handful of employees and a production area of 60 m<sup>2</sup>. Today, we are a healthy family business that now employs about 120 people.

## Hygiene, strict quality controls and exact documentation

We develop, produce and assemble high quality cosmetics and medical products. To date, about 3,000 different products. As a production specialist, we can offer everything from formulation development to finished product.

We have the comprehensive know-how and the Swabian inventiveness to turn ideas and wishes quickly and reliably into products of the best quality. In doing so, we take the environment into consideration to the highest degree. Compliance with all environmentally relevant laws, regulations and official requirements is a matter of course.

The flow of information in our departments is of great importance for the smooth running of the individual processes - whether in the laboratory, production, order processing, materials management or quality assurance.

We pay attention to the highest quality in every step we take. Hygiene, strict quality controls and exact documentation ensure the high quality of our products.

**Production takes place according to the cosmetic GMP DIN EN ISO 22716.**

### **We are certified:**

#### **DIN EN ISO 9001:**

Quality management for Cosmetics development and production

#### **DIN EN ISO 13485:**

Quality management for Production of medical devices

#### **DIN EN ISO 14001:**

Environmental management System

#### **RSPO CERTIFICATE**

Manufacture of cosmetic products and household chemical products  
- MB Model





## Environmental performance – Measures



Measure	Benefit	Date
Extension of the sewage plant b sludge Drainage	less flotation sludge less transport	realized
Automation of the in-house wastewater treatment plant with heat recovery	Reduction of wastewater volume, uniform waste- water quality	realized
Environment Measure	Benefit	Date
Construction of a new CHP	Reduction of CO <sub>2</sub> -emission	realized
Reduction of Transports	Reduction of CO <sub>2</sub> -emission	ongoing
Reduction of Power consumption	Energy saving	ongoing
Increasing the use of rene- wable raw materials	Conserving resources	ongoing
Waste reduction	Reduction of the aftertreatment	ongoing
Environmentally con- scious Prefer suppliers	environmentally friendly	ongoing
Analysis of the waste water	Risk minimization for community	ongoing
Clean separation of waste	Recyclingquote erhöhen	ongoing



## Quality Policy – Continuous improvement process

We have made our quality and environmental policy a top priority and defined the following **guidelines** for our company:

### Quality policy:

- We put the satisfaction and enthusiasm of our customers at the center of everything we do.

## Motivation through recognition together to the goal

- We always focus on the quality of our products to meet all the needs of the customer and thus gain his trust.
- User protection is of great importance in our quality assurance.
- We ensure the quality of our products through defined tests throughout the development, production and delivery processes.
- We constantly conduct weak point analyses and actively involve every employee in error prevention.

- We train and comply with the valid legal regulations in all processes of our company and observe occupational health and safety for the safety of our employees.
- We ensure the highest quality and continuous improvement by defining and constantly optimizing our processes from the customer's request to the delivery of the product.
- We ensure the motivation of our employees through recognition, promotion of competencies and further training.
- We increase the value of the company. We are an economically successful company and see this as our common interest.
- We are constantly working to extend our technical lead.
- We are the specialist for difficult requirements.





## The environmental policy – Responsibility obliges

Responsibility for our environment requires us and everyone else to consider the impact of our daily actions. Ecology is: **“The totality of the interrelationships in our living space”**.

## Acting responsibly careful use of resources

We all bear responsibility for this! Environmental protection, accident prevention, GMP (Good Manufacturing Practice) and quality management are integrated into all of our internal guidelines.

### How sustainable are we actually?

Measurable sustainability brings us closer to our climate goals together, which is why we have determined our **ESG-Status** at Synesgy with the following results:

### ESG PERFORMANCE INDEX: B

ESG - Environmental Social Governance are criteria and framework conditions for taking environmental, sustainability and social issues into account.

#### ESG PERFORMANCE INDEX: B

Good sustainability performance

Companies with good compliance with ESG requirements in accordance with national and international best practices. The ESG Performance Index complies with the international standards of the Global Reporting Initiative and takes into account the most important, material and significant aspects of the respective environmental, social and governance assessment.

A

B

C

D

E

#### ESG PERFORMANCE INDEX: B

Gute Nachhaltigkeitsperformance  
Unternehmen mit guter Einhaltung der ESG-Anforderungen entsprechend nationaler und internationaler Best Practices. Der ESG Performance Index entspricht den internationalen Standards der Global Reporting Initiative und berücksichtigt die wichtigsten, wesentlichsten und bedeutendsten Aspekte der jeweiligen Umwelt-, Sozial- und Governance-Bewertung.

Der ESG Performance Index stellt die Bewertung der Einhaltung der ESG-Prinzipien (Umwelt, Soziales, Unternehmensführung) eines Unternehmens dar, wobei auch die Branche und das Land / die Region berücksichtigt werden.

The ESG Performance Index represents the assessment of a company's compliance with ESG (environmental, social and governance) principles, also taking into account the sector and country/region.



Synesgy certificate page 26  
Information about Synergy  
<https://www.synesgy.de/>



## The environmental policy - Responsibility obliges

Responsibility for our environment obligates us and everyone else to consider the impact of our daily actions.

Ecology is:

**„The totality of interactions in our habitat“.**

We all bear the responsibility for this! Environmental protection, accident prevention, GMP (Good Manufacturing Practice) and quality management are integrated in all our internal specifications.

### Acting responsibly careful use of resources

We encourage our employees to act on their own responsibility by providing information, ongoing training, regular instructions and self-inspections in accordance with defined checklists.

We strive for continuous improvement in our company. This basic idea is part of our corporate principles and is the basis for the **guiding principles** of SystemKosmetik GmbH:

#### Corporate Principles:

- Careful use of resources for energy generation
- Avoiding waste, disposing of unavoidable waste properly, and carrying out the cleaning of wastewater.
- Development of products with renewable raw materials
- Promote environmental awareness among employees, suppliers and contractors
- Information to the public
- Avoiding disruptions and limiting potential hazards
- Regulatory compliance and continuous improvement





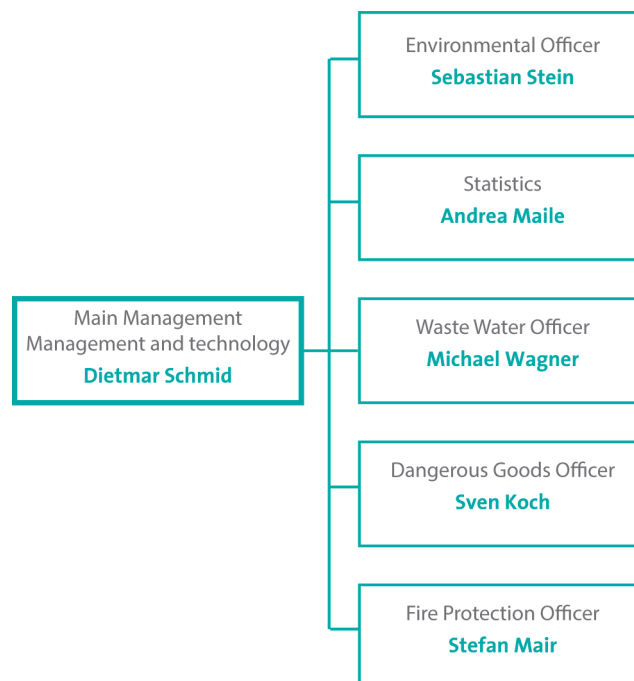


## Environmental management - Environmental compatibility and sustainability

Environmental management is that area of management that deals with all operational and regulatory environmental aspects of the organization.

The establishment of an environmental management system is intended to ensure the environmental compatibility and sustainability of our company's products and processes and the corresponding behavior of our employees and stakeholders (customers, the public, etc.).

Persons responsible for environmental management:





## Sustainability

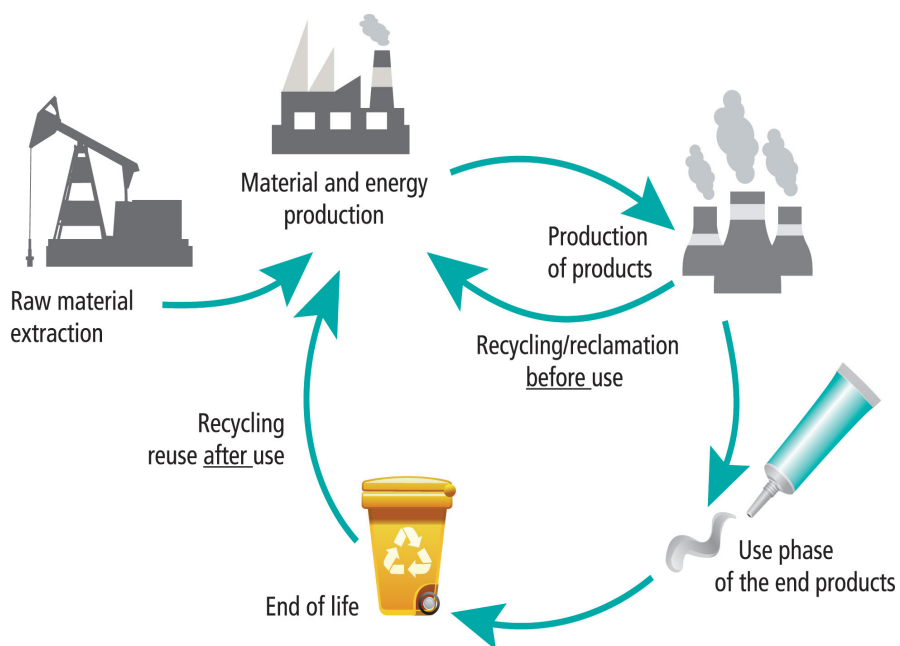
We try to consider all steps in the product life cycle - that means raw material extraction, product manufacturing, working conditions of our employees, delivery routes. In our product development, we work out new formulations or revise existing formulations in order to always meet the requirements of all interested parties and to be at the cutting edge of technology.

We produce products from the highest-quality raw materials in accordance with customer requirements.

### Life cycle of a cosmetic product

In all processes, not only quality targets and economic aspects must be considered, but also the environmental impact associated with them, taking into account the product life cycle.

- Raw material extraction
- manufacturing
- packaging
- Transportation
- product development
- Utilization
- Disposal





## Sustainability - product life cycle

### Raw materials

All raw materials and packaging materials are purchased, except for production water. Drinking water is demineralized and sterilized. The quality of raw materials and materials is crucial for the quality and stability of the final product. Legislation also places great demands on quality. A product can achieve at most the quality that its starting materials have. Therefore, resources are critically considered during purchasing.

- To cool the product in the mixer, cold liquid is circulated via a refrigeration container to the heat exchanger and into the mixer.

- Wastewater generated during the cleaning of the mixers is pre-cleaned to at least 75% via an in-house wastewater treatment plant and can then be fed into the regular wastewater treatment of the municipality without further treatment.

### Packing

- Bulk products are filled into polyethylene bags and stored in reusable TPS containers.

- The choice of packaging material for the end user is made by the customer. If requested, we are happy to advise our customers on responsible sourcing and point out any potential impact on the environment. In addition, the manufacturers of packaging materials recommended by us offer easily degradable packaging materials as well as packaging materials made from renewable raw materials.

packaging materials are easily degradable and

### Production

- The products are manufactured in mixing plants. The energy required for this is generated by means of a CHP unit and excess energy is fed into our power grid.

- For heating, a water/propylene glycol mixture is heated via the CHP unit and the liquid is fed into the double wall of the mixer via a heat exchanger.



## Sustainability - product life cycle

### Transportation

- The transport of the materials to be used and the end products is carried out by suitable forwarding companies that also comply with the necessary safety regulations when transporting hazardous substances. All containers in which raw materials are transported are labeled according to the GHS/CLP regulation.
- We pay attention to suppliers with the shortest possible journey to keep the environmental impact as low as possible. We strive to have purchased raw materials delivered collectively to prevent unnecessary CO<sub>2</sub> emissions.

### Disposal

- The packaging material is recovered in Germany via recycling processes.
- Emptied containers are cleaned, if possible, and reused within SK. IBS containers and plastic drums are collected, returned and also reused if possible. Foils, cardboard, glass, metal, etc. are collected separately and disposed of properly. These are also recycled.
- Raw materials whose shelf life has expired, as well as leftover bulk goods, are collected by certified disposal companies and disposed of properly.

### Use

- Our products are sold by our customers to the end user.

## Use of renewable raw materials

### Product development

- In product development, we pay attention to the use of renewable raw materials.

An important aspect is to preserve our habitat in its diversity.



## Together – for a healthy future

### Recycling of carrier material

The label carrier material is particularly tear-resistant due to the fibers it contains and is a valuable raw material. We send our waste liner back to our label supplier, which is part of the recycling pilot with RafCycle™ by UPM Raflatac.

By recycling carrier material, the trees are protected and the resulting recycled fibers are used to make magazine paper. e.g

In 2023 we were able to save the costs of disposing of our waste carrier material and return 2,655 kg, approximately 8 pallets, to the circular economy.

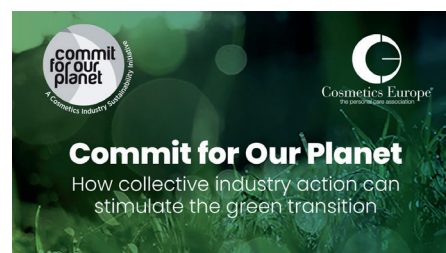


Information about the circular economy <https://www.upmraflatac.com/de/produkte-und-services/services/recycling-services-rafcycle/>

### Commit for Our Planet

We can achieve more together, which is why we are participating in the *Commit for Our Planet*. *Cosmetics Europe*, the European association of cosmetics manufacturers, launched the initiative in December 2022.

Fifteen pioneering companies from Germany are already taking part. We are pleased to be part of this important network in order to contribute together to greater transparency and sustainability in the cosmetics industry.



© *Cosmetics Europe*  
Source: Press release 7. Dezember 2022  
BEAUTY CARE EXPERT PARTNER IN IKW



## Shampoo life cycle

A brief summary of the life cycle of a shampoo, in which the consumption of the shampoo is found to have the greatest environmental impact.

According to consumer research, an average of 8 g of shampoo is used in one hair wash. Large amounts of heated water are required.

### The consumption of the shampoo pollutes the environment more than the production

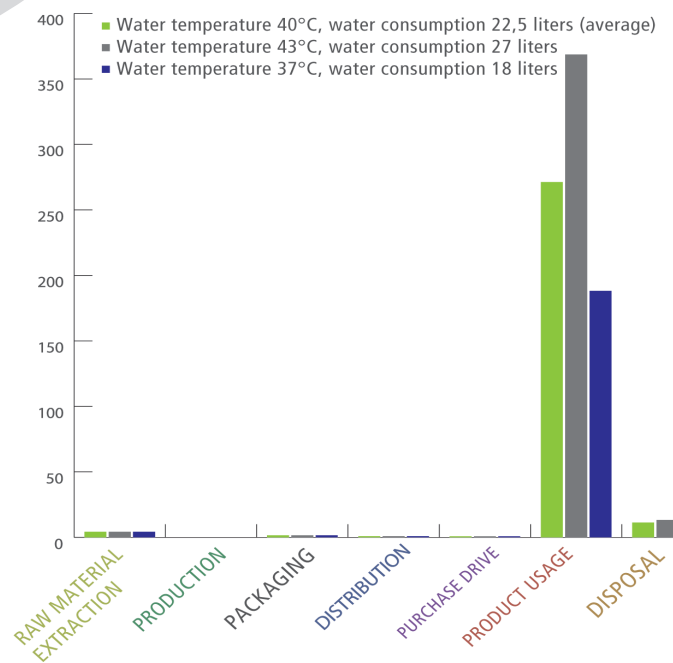
Energy production is highly related to various environmental indicators (e.g., greenhouse gas, acidification, fossil fuel scarcity).

Production of raw materials Disposal of products used (water pollution and wastewater treatment) and used packaging (incineration/landfill) are very small contributors compared to consumption during use.





## CO<sub>2</sub> footprint of a hair wash



Unit: g CO<sub>2</sub>/hair

### RAW MATERIAL EXTRACTION

Production and transport of raw materials, based on primary as well as secondary data

### PURCHASE DRIVE

Standard scenario of the project

### PRODUCTION

Primary data of the production plant

### PRODUCT USAGE

Calculation on the basis of the average  
Calculation on the basis of the average water volume and temperature (22.5 L and 40°C). For comparison  
Calculation of the PCF with alternative water volumes and temperatures

### PACKAGING

Product and transport packaging computed with secondary data

### DISPOSAL

Mainly treatment of domestic wastewater (consumption from phase), and incineration of packaging of the packaging materials

### DISTRIBUTION

Average distance to the customer, Secondary data for emission factors and loading of the trucks



## Energy and heat - Energy generation in the CHP

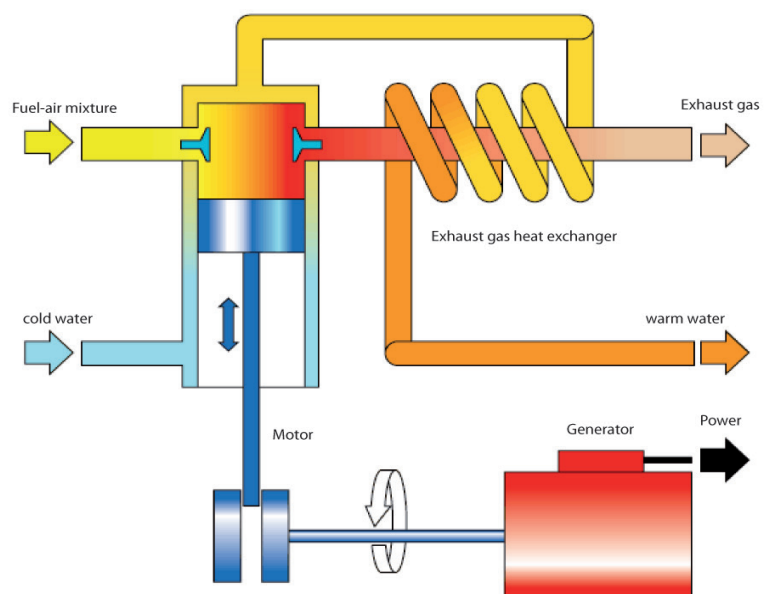


In times of rising energy costs and an increase in CO<sub>2</sub> pollution, a combined heat and power plant offers a significantly higher efficiency and thus lower pollutant emissions compared to conventional energy generators.

Mit Hilfe der modular aufgebauten Anlage, wird also elektrische Energie und Wärme gewonnen.

Through the principle of combined heat and power, the fuel energy is used twice, once for the drive of the generator, which produces electricity, and secondly through the use of the waste heat for the supply of hot water and heating.

## Reduction of climate-damaging CO<sub>2</sub> emission



Principle of a CHP plant  
Source: Engineering Office for Technology  
and Information [www.technik-verstehen.de](http://www.technik-verstehen.de)

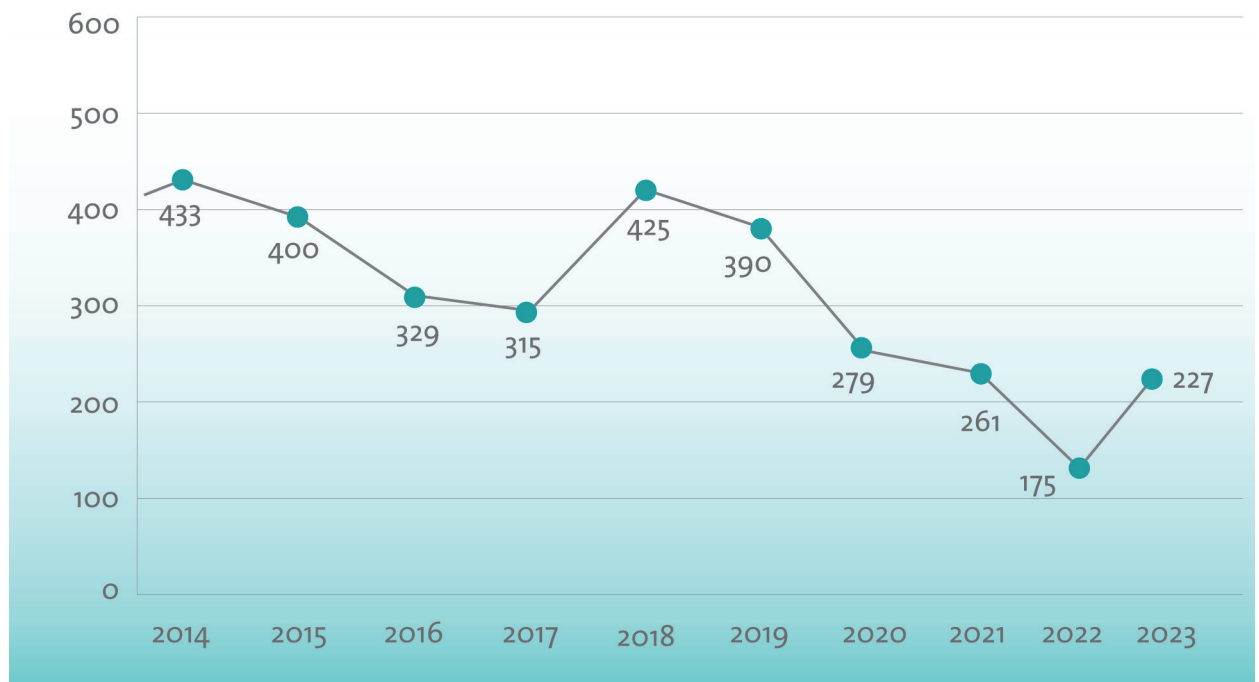




## Environmental data – electricity consumption 2014 to 2023 (kWh x 1000)



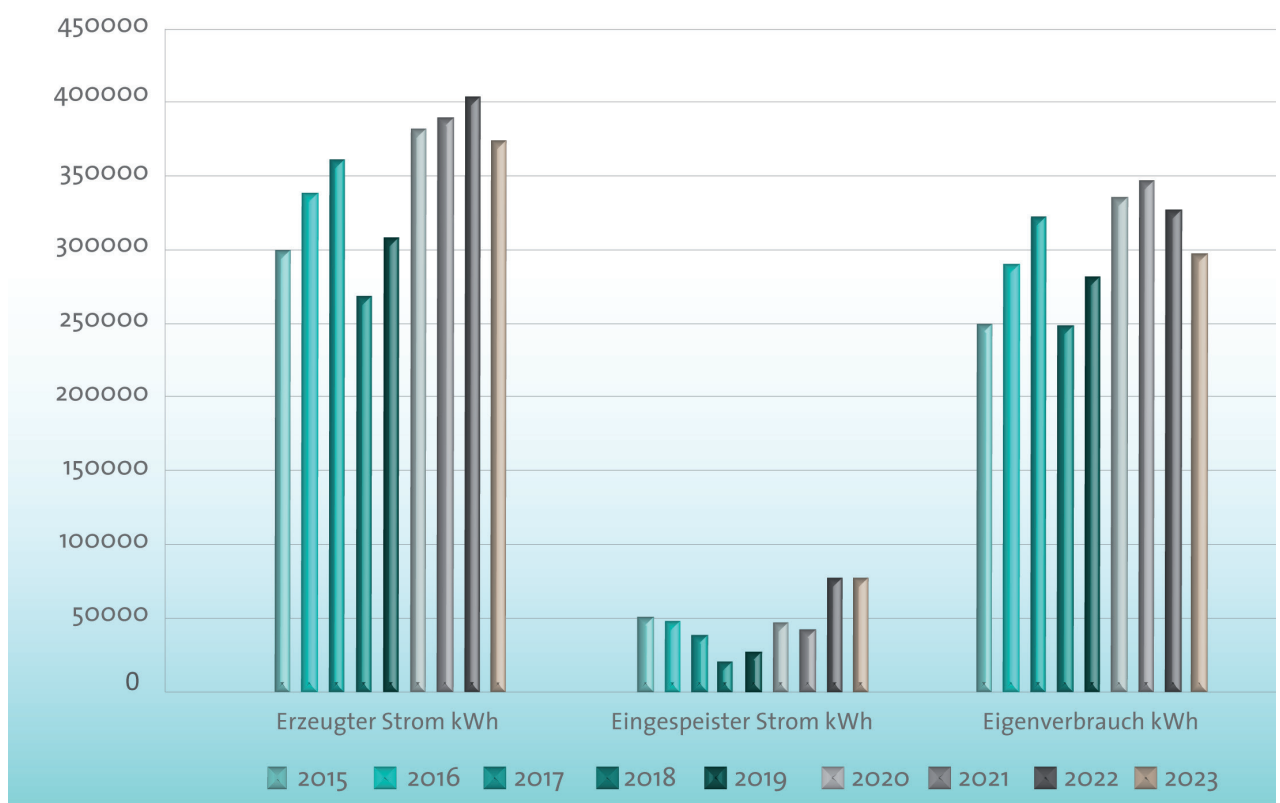
Electricity consumption 2014 to 2023 (kWh x 1000)





## Environmental data - Self-generated electricity

Electricity consumption 2015 to 2023 (kWh x 1000)





## Electromobility

We have had an electric car since March 2015. The engine of this vehicle does not emit CO<sub>2</sub> or other pollutants when driving. Compared to combustion engines, the electric motor is a simple construction that is almost maintenance-free.

Very efficient, clean, powerful and suitable for everyday use



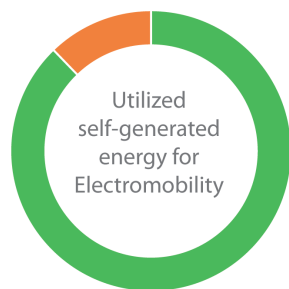
Power supply directly on the company premises from our own BHKW



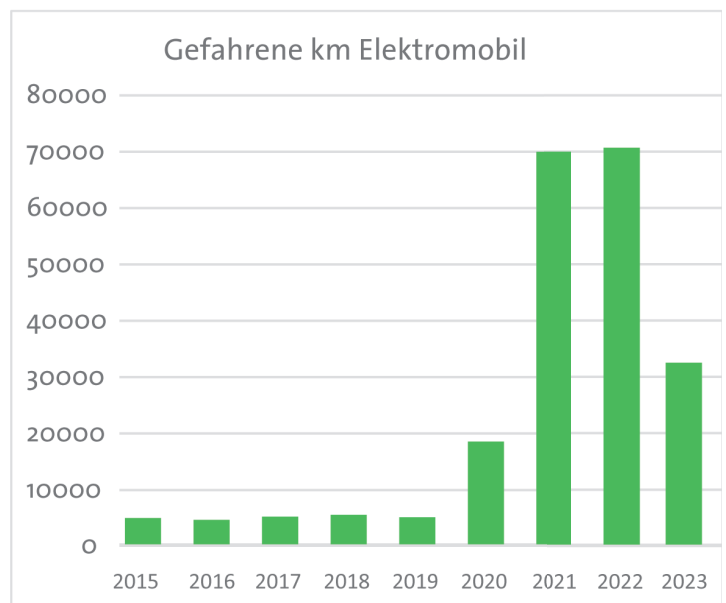
Emits neither CO<sub>2</sub> nor other pollutants



Virtually climate-neutral and an important contribution to environmental protection



- Electricity from CHP in kWh
- Electricity consumption Car in kWh





## Water is life - Waste water treatment plant with heat recovery



The company's own wastewater treatment plant with heat recovery, built in 2009, was put into operation in 2016. This regulates the quality of the wastewater.

The heat recovery or heat extraction is carried out by a heat exchange module. The recovered heat is fed to the heat storage tank of the hot water heating or heating system. This prevents hot water from being fed into the sewer system.

This combination of heat recovery and water recycling thus not only contributes to the ecological and economical sustainable use of water as a resource, but also reduces heating energy requirements.

In 2016, 340 m<sup>3</sup> of water-containing flotsam was fed into the incineration process. Disposal of the sludge and transport resulted in total costs of 33,000 euros. Therefore, in 2017 the sludge will be filtered at SystemKosmetik and this can reduce costs by up to 65%.

## Ecological and economic Benefit of the resources

SystemKosmetik became **BAYERISCHER RESPONSIBLE CARE COMPETITION WINNER IN 2020** - Sustainable use of water and at the same time „**BEST PROJECT FROM MEDIUM-SIZED COMPANIES.**“

**FLOTATION:**  
A process for separating floatables that are lighter than water.

Raw wastewater      Reaction with Flocculant and flocculant      Inlet Flotation plant

The image shows three beakers illustrating the flotation process. The first beaker, labeled 'Raw wastewater', contains a uniform yellowish liquid. The second beaker, labeled 'Reaction with Flocculant and flocculant', shows the liquid with small white particles beginning to form. The third beaker, labeled 'Inlet Flotation plant', shows the liquid with a thick layer of white foam or sludge at the bottom, representing the separation of floatables.

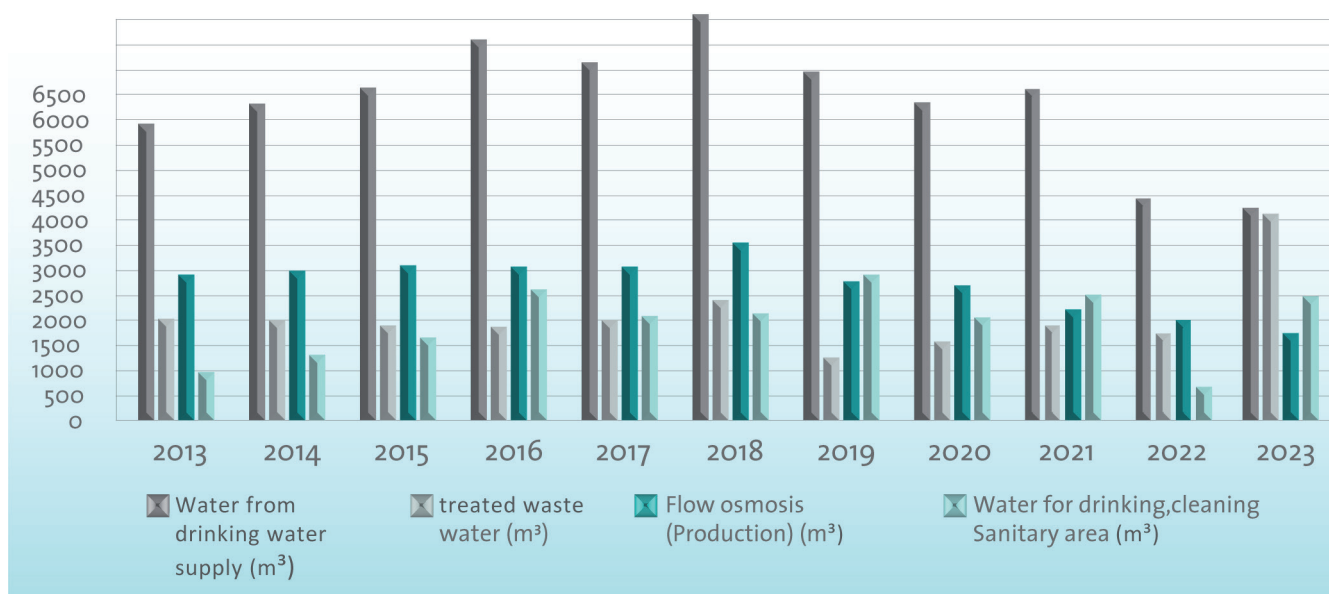


## Water quantities overview - Water treatment for production and cleaning

33% of the drinking water consumed by SystemKosmetik is demineralized and sterilized to be used in our products.

The water used to clean the production machines is treated in our wastewater treatment plant (see page 20) and is fed to the municipal wastewater treatment plant as already treated wastewater.

### Water treatment for production and cleaning





## Waste - Industrial packaging cardboard and paper

### Industrial packaging

The packaging is collected after use and picked up by a certified waste management company.

That is over 1000 plastic and metal drums, as well as IBC containers per year. There it is decided which of the industrial packaging has to be reconditioned and which has to be disposed of.



### Cartons and paper

Waste paper and used cardboard



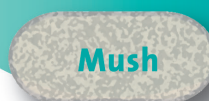
End products are e.g. folding boxes, envelopes, package and raw paper rolls



Pressed into paper bale



In the paper machine Further processed



Defibered in the pulper from impurities Separated

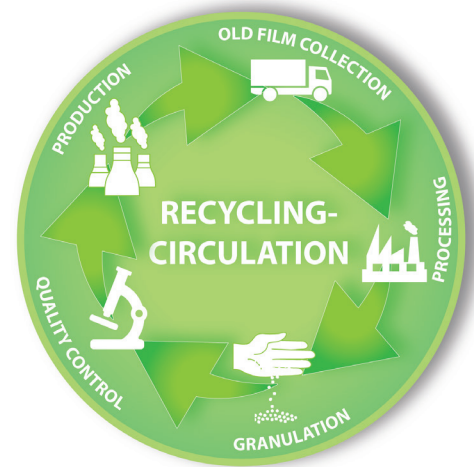
35,45 tons of cartons, cardboard and paper containing the packaging materials for our cosmetic products were collected & recycled in total in 2023.



## Waste - Foils and mixed waste

### Foils

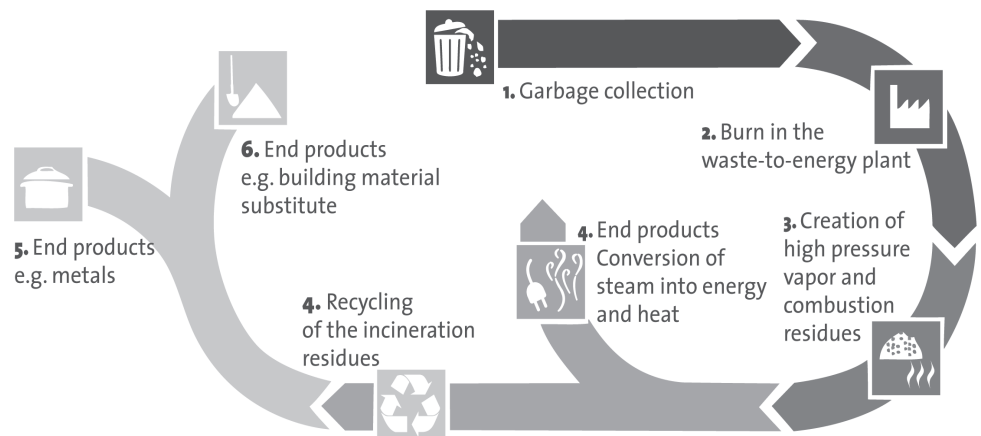
In 2023, SystemKosmetik disposed of 353 m<sup>3</sup> of polyethylene (PE) film was disposed of. They were collected by a specialist disposal company and pressed into bales before being reprocessed and made into new products.



### Mixed waste

After separating recyclable waste, 99,88 tons of mixed waste was still collected in 2023, which was picked up by a waste management company, sorted, and the rest taken to an incinerator.

SystemKosmetik incurred costs of 31.304,56 euros for the disposal of this waste.





# CERTIFICATE



This is to certify that the company



**SystemKosmetik**  
Produktionsgesellschaft  
für kosmetische  
Erzeugnisse mbH

**System Kosmetik  
Produktionsgesellschaft für  
kosmetische Erzeugnisse mbH**

Raiffeisenstraße 2  
86692 Münster  
Germany

with the organizational units/sites as listed in the annex  
has implemented and maintains a **Quality Management System**.

Scope:

Development, production, packaging and distribution of cosmetic products and chemical household products as well as production, packaging and distribution of medical devices.

Through an audit, documented in a report, performed by DQS Medizinprodukte GmbH, it was verified that the management system fulfills the requirements of the following standard:

**ISO 9001 : 2015**

Certificate registration no.	236374 QM15
Certificate unique ID	1000124642
Effective date	2023-08-27
Expiry date	2026-08-26
Frankfurt am Main	2023-08-24



Deutsche  
Akkreditierungsstelle  
D-ZM-16021-02-00

DQS IS A MEMBER OF



**DQS Medizinprodukte GmbH**

Sigrid Uhlemann  
Managing Director



August-Schanz-Straße 21, 60433 Frankfurt am Main,  
Tel. +49 (0) 69 95427-300, [info-med@dqs.de](mailto:info-med@dqs.de)  
The validity of this certificate can only be verified by the QR-code.





**Annex to certificate**  
**Certificate registration No.: 236374 QM15**  
**Certificate unique ID: 1000124642**  
**Effective date: 2023-08-27**

## **System Kosmetik Produktionsgesellschaft für kosmetische Erzeugnisse mbH**

Raiffeisenstraße 2  
86692 Münster  
Germany

### **Location**

### **Scope**

**517587**

**System Kosmetik Produktionsgesellschaft  
für kosmetische Erzeugnisse mbH**

Raiffeisenstraße 2  
86692 Münster  
Germany

Development, production, packaging and distribution of cosmetic products and chemical household products as well as production, packaging and distribution of medical devices.

**516496**

**System Kosmetik Produktionsgesellschaft  
für kosmetische Erzeugnisse mbH**

**Lager**

Römerweg 12  
86674 Baar  
Germany

Packaging and distribution of cosmetic products and chemical household products as well as production.



# Synesgy Certificate

Presented to **System Kosmetik Prod.ges. für kosmetische Erzeugnisse mbH**

Münster, Germany

Certification date	Valid until	Macro-industry	Country
<b>20 December 2023</b>	<b>19 December 2024</b>	<b>Chemicals</b>	<b>Germany</b>

This certificate is issued to System Kosmetik Prod.ges. für kosmetische Erzeugnisse mbH (Business ID: DE152901518) by CRIF GmbH for participating in the ESG assessment through the **Synesgy** platform on **20 December 2023**.

System Kosmetik Prod.ges. für kosmetische Erzeugnisse mbH has the score "**B - Good**".

Synesgy's methodology follows generally accepted international sustainability standards such as the Global Reporting Initiative (GRI) and the Sustainable Development Goals (SDGs) and has been developed by CRIF Ratings, a Credit Rating Agency operating under ESMA supervision.

This score is valid for one year until the **19 December 2024**.

A

B

C

D

E

## ESG SCORE: B

Good level of Sustainability

Company with a good level of compliance with ESG principles, in line with national and international best practices.

The ESG Score complies with the international standards (Global Reporting Initiative, European Sustainability Reporting Standards and Sustainable Development Goals) and considers the most important, material and significant aspects relating to Environmental, Social and Governance factors.

ESG Score represents the evaluation of the compliance to ESG principles (Environment, Social, Governance) of a business, taking also into consideration industry sector and country/region.





If you have any questions or suggestions, please do not hesitate to contact us.



**SystemKosmetik**

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