

A close-up photograph of a lavender field. The foreground shows several sharp lavender spikes with small purple flowers and green stems. The background is a soft-focus expanse of more lavender plants, creating a sense of depth and a peaceful, natural atmosphere.

KräuterMix
since 1919

**UPDATED
ENVIRONMENTAL REPORT
2025**



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Passion for Plants – the fruits of nature are our passion.

FOREWORD

Dear Reader,

2024 started out as a promising year for Kräuter Mix but will be remembered as one of the most challenging in the company's 105-year history.

On the one hand, there were distinct positives: both the executive and EMAS teams set ambitious environmental targets for our sites in Lower Franconia, Germany, and the specialist departments and internal representatives consistently drove their implementation forward. Our sustainability management team, meanwhile, worked tirelessly on advancing the supply chain risk management as well as on recording greenhouse gas emissions in line with the GHG Protocol standard. As such, Kräuter Mix continues to improve its environmental performance step by step.

On the other hand, the company suffered a significant loss of important production facilities due to a large fire at its Abtswind site on July 8, 2024. The wind dispersed significant quantities of soot and pollutants into the surrounding area. Fortunately, nobody was injured as all employees and service providers were able to exit the building in time. Alerting those involved and evacuating the premises went smoothly, and there were no complaints from

local residents. Furthermore, the official inspection of the fire safety regulations revealed no objections.

Our sincere thanks go to the regional fire departments, the THW Technical Relief Organization and the emergency services of both the German Red Cross and the police, who all played a vital role in containing and ultimately extinguishing the fire under sometimes challenging conditions. We owe them all our deepest respect and gratitude.

We would also like to thank our employees, who handled themselves with professionalism and immediately pitched in to overcome the challenges. The very same week of the fire, we transferred production orders from the facilities affected to intact production locations and team members worked in fully continuous shift operation. We are extremely proud of the drive, flexibility and team spirit of the Kräuter Mix community.

Dear reader, in this updated environmental report we provide an overview of the latest developments and activities from 2024. For further information, please see our homepage at www.kraeuter-mix.de/en/company/sustainability.

With best regards,
Kräuter Mix GmbH Management board



Bernhard Mix
Managing Partner

Silke Wurlitzer
Managing Director

Christoph Mix
Managing Partner

Would you like to know more about us?

Please visit our website www.kraeuter-mix.de/en and follow us on social media: [Facebook](#), [Xing](#), [LinkedIn](#) and [Instagram](#).

On our [YouTube channel](#) you will find our promo film with plenty of interesting insights into our company as well as many other videos.

For more information about Mix for Kids go to www.mixforkids.de/en.

OUR COMPANY

Organizational changes

There were no organizational changes in the reporting year.

2024 marked the eleventh year of our EMAS certification, and our system continues to prove its worth. It is based on coordination and cooperation between the EMAS team and executives, internal and external representatives and auditors. Employee involvement is achieved through an improvement process as well as training, information and workshops.

Structural changes

The primary structural changes at the Abtswind production site were necessitated by the fire which saw essential parts of Hall 12 destroyed and six production facilities damaged to varying degrees.

These facilities have been out of operation since July 2024; where possible, the production lines affected have been relocated to redundant facilities in the undamaged part of the Abtswind site.

Cause of the fire: Extensive investigations carried out by the Würzburg CID, the Bavarian State Criminal Police Office and the property insurance company's fire investigation team determined the fire was caused by a technical defect. A review of the fire safety regulations did not give rise to any objections on the part of the authorities involved. Discussions with the insurer are still underway.

As soon as the site was cleared for access, fire damage restoration experts were brought in to initiate the key first steps to minimize any resulting damage. As part of the specialist decontamination process, all traces of the fire were professionally cleared and disposed of in compliance with all legal regulations.

While the latter half of 2024 was overshadowed by dismantling, cleaning and disposal work, site renovations have been underway since early 2025.

The first germ reduction facility is expected to be commissioned in late 2025, with an additional production facility completed in mid-2026.



REVIEW OF ENVIRONMENT PROGRAM 2024 / 2025

PERSONNEL

Integration of sustainability & environmental protection in vocational training

Goal: To include at least 3–4 different activities in trainee projects: energy scouts, digi-scouts, Mix for Kids project, health and wellbeing promotion;
Due date: 12/2024; Status: Done,
> all activities implemented; plus additional trainee day with environmental station in Kitzingen

Health and environmental protection on the way to work

Goal: To leverage incentives to promote existing 'cycle to work' and bike leasing schemes;
Due date: 12/2024; Status: Done,
> 25,768 km cycled in total

SUSTAINABILITY MANAGEMENT

Advancement of supply chain risk management system

Goal: To advance the instruments involved in a risk management system, with a focus on risks relating to violations of corporate due diligence obligations in our raw material supply chains;
Due date: 12/2024; Status: Done,
> we will continue to adapt and develop

the supply chain risk management system

Recording greenhouse gas emissions

Goal: To record greenhouse gas emissions comprehensively in keeping with the GHG Protocol as well as defining measures and targets to gradually cut those emissions identified; *Due date: 12/2025; Status: In progress*

TECHNICAL PROCUREMENT

Introducing electric company passenger vehicles

Goal: To focus any new procurement on electric cars;
Due date: Ongoing in 2024; Status: Done,
> focus on employee company cars

TECHNICAL MANAGEMENT Expansion of e-charging infrastructure in Abtswind and Wiesentheid

Goal: To use green electricity for company vehicles and employees' private cars, expanding system;
Due date: Ongoing in 2024; Status: Done,

Replacing oil heating system with a heat pump

Goal: To switch the office building and a production line over to green electricity and a heat pump; targeted savings of approx. 8,800 l of heating oil and approx. 23 metric tons of CO₂;
Due date: 12/2024; Status: In progress,
> switchover not yet completed

Conversion of Hall 7 (warehouse) to LEDs

Goal: To realize the energy scout project for Hall 7 in Abtswind by replacing existing fluorescent tubes with LED lighting and optimizing the control systems (motion detector for each aisle); planning completed by 07/24;

implementation to follow (existing inventory will be used up and then replaced);

Due date: 12/2025; Status: Planning completed,
> Implementation in 2025

Alternative energy concept for Abtswind to significantly reduce emissions by using renewable energy sources

Goal: To further plan all conversion measures ;
Due date: 12/2024; Status: On hold,
> BImSchG application in progress but with delay and hold following fire in 07/2024. Current focus: reconstructing Hall 12.

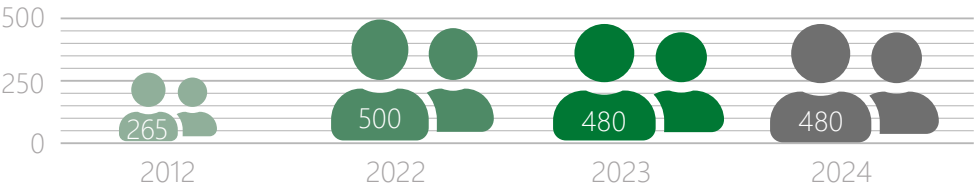


KEY INDICATORS OF ENVIRONMENTAL PERFORMANCE

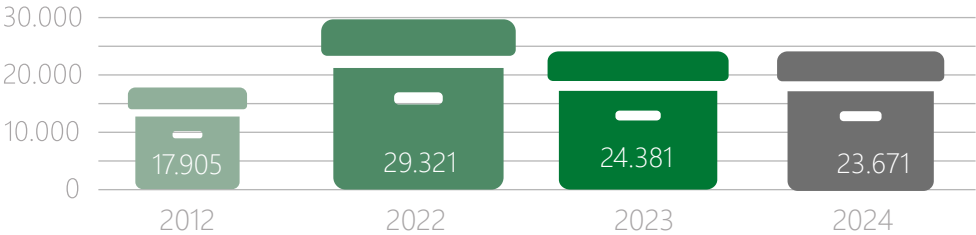
Note:
In 2013 we introduced the EMAS environmental management system.
As such, we have compared all developments with 2012 as the base year.



NUMBER OF EMPLOYEES – ANNUAL AVERAGE
Adjusted employees, including temporary workers and trainees



PRODUCTION VOLUME – QUANTITY OF PRODUCTS (t)



LAND USE (m²)

ABTSWIND Lot size of which developed	59.559 40 % 23.598	59.559 45 % 27.033	62.021 44 % 27.033	62.021 44 % 27.033
	2012	2022	2023	2024
WIESENTHEID Lot size of which developed	59.539 32 % 19.071	59.539 52 % 30.739	59.539 52 % 30.820	59.539 52 % 30.820
	2012	2022	2023	2024



Stefan Stiele
Energy Management Officer

ENERGY CONSUMPTION

We need an adequate supply of energy to refine the plant-based raw materials at our locations. To protect our climate and overcome potential supply crises, we are continuously working on improving our energy balance and reducing greenhouse gas emissions.

Our contribution includes the following actions:

- We have been producing solar power on the roofs of our production halls in Abtswind for many years.
- We only use power from 100% renewable sources, in Abtswind since 2013 and in Wiesentheid since 2014.
- Since 2015, we have been recording energy flows in increasing detail and evaluating them regularly. This knowledge helps us identify potential for improvement.
- Every year, we invest in our sites and in technical projects to modernize and optimize our facilities. Measures to improve the energy balance are a high priority.
- We continuously carry out conversion and energy-efficient refurbishment measures in our various office buildings. Wherever possible, we are switching from oil heating to heat pumps and upgrading our air-conditioning technology to the state of the art.

Around 48 % of the energy supply at our sites is covered by electricity from exclusively renewable sources.

We use gas in Wiesentheid and oil in Abtswind to generate heat.

In Wiesentheid, we operate a drying plant with fluctuating capacity utilization and therefore varying annual electricity requirements. In addition, we heat storage, order picking and office areas.

In Abtswind, > 80 % of the heating oil requirement is for process heat for our germ reduction and drying systems.

	2012	...	2022	2023	2024
Electricity consumption Abtswind	3.298.263		4.502.881	3.982.381	3.953.241
Electricity consumption Wiesentheid	473.307		772.093	675.224	697.558
Electricity total (kWh)	3.771.570		5.274.974	4.657.605	4.650.799
Share of electricity from renewable energy (%)	8		100	100	100
Oil consumption (kWh)	2.697.417		4.902.500	4.694.278	4.373.825
Gas consumption (kWh)	283.034		534.674	588.621	652.812
Energy total (kWh)	6.752.021		10.712.148	9.940.504	9.677.436
Energy efficiency (kWh/t) (energy consumption / production volume)	377		365	408	409
Energy efficiency 2 (kWh/T€) (energy consumption / turnover)	83,2		76,4	64,9	61,0

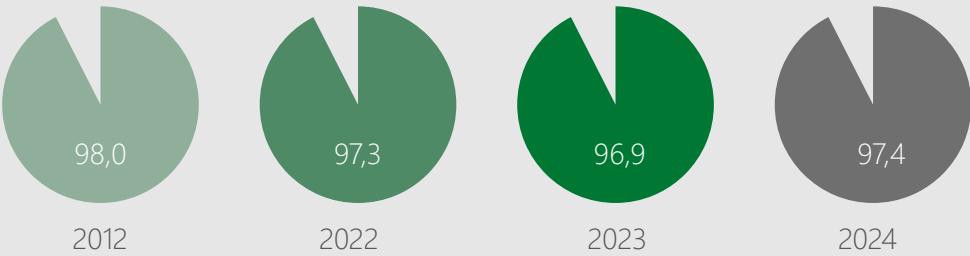
The energy intensity amounted to 409 kWh/t.

We recognize that the energy intensity indicator provides only limited insight into the energy efficiency of our processes as both our production portfolio and process technology management are subject to regular change.



MATERIAL EFFICIENCY (%)
Product quantity / component quantity

At Kräuter Mix, we continuously monitor material efficiency, for every single manufacturing order. This means we can immediately evaluate any deviations and examine optimization potential.

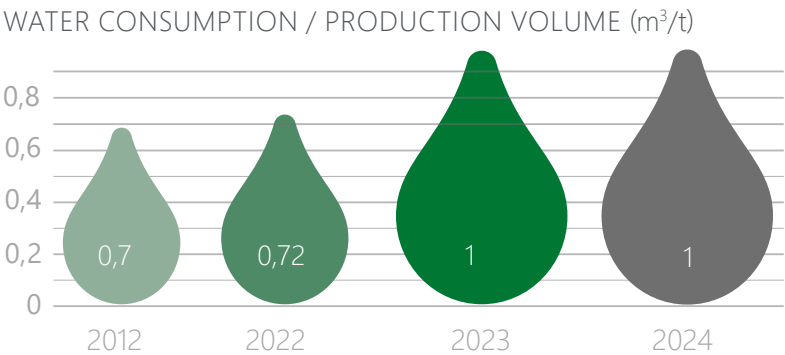
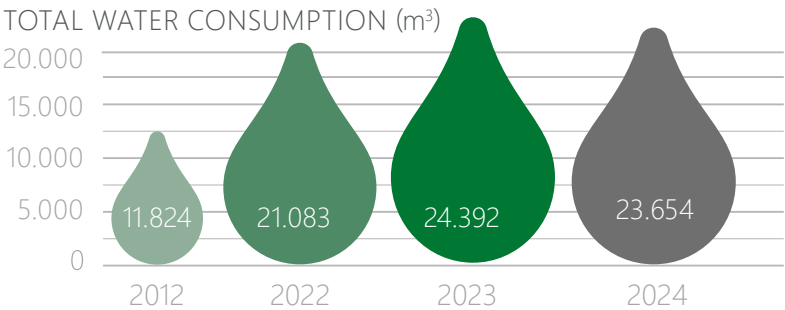


WATER CONSUMPTION AND WASTEWATER

Our annual water consumption primarily depends on the type and quantity of raw materials that we subject to germ reduction in the year under review, as the specific water requirement varies depending on the original germ load and structure of the product. Process water share: 51,3 %.

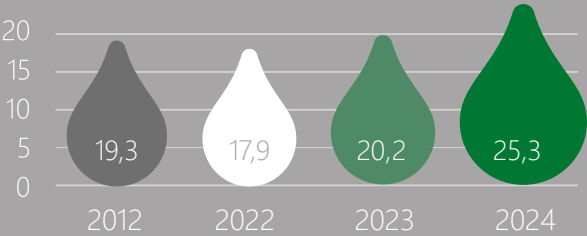
Moreover, a large amount of water goes into the personal hygiene of our employees – a high priority in a food and pharmaceutical raw materials processing company like ours. Our sanitary facilities are state of the art.

Our total water consumption has developed as follows:

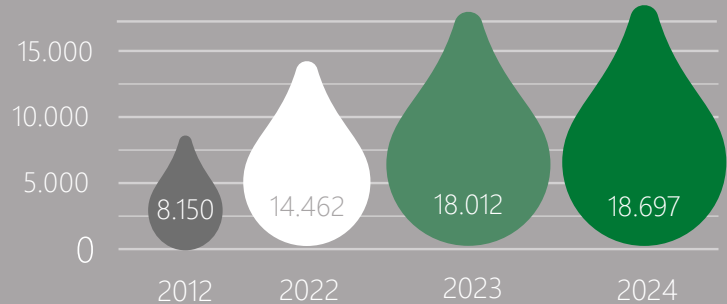


STAFF AND OPERATING HYGIENE

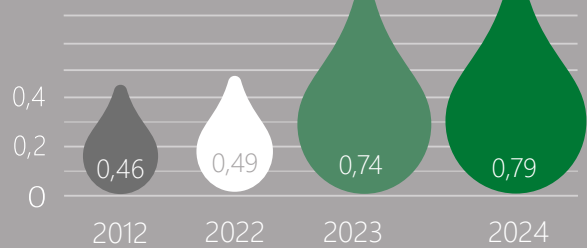
Water consumption for cleaning (m³/person)



WASTEWATER TOTAL (m³)



WASTEWATER / PRODUCTION VOLUME (m³/t)





NON-HAZARDOUS WASTE (t)

Conserving resources is of paramount importance to us, which is why we try to avoid waste as far as we can. If this is not possible, we consistently separate any remaining waste, checking whether it can be reused or recycled.

Unavoidable residual materials are disposed of appropriately by certified

service providers.

We were able to reduce the volume of residual waste yet further in the reporting year.

The demolition waste from the fire is listed under 'Other' and was disposed of in its entirety by our certified service provider.

	2012	...	2021	2022	2023	2024
Organic waste + cuttings	323,7		548,5	406,5	517,6	558,0
Cardboard boxes, paper bags, office paper	248,8		305,8	367,9	340,9	339,6
Film, bulk bags, woven fabric	101,1		150,5	154,0	139,3	136,2
Residual waste	150,8		152,1	290,6	150,8	124,90
Metal	24,9		30,1	29,8	30,8	12,7
Wood, pallets	15,7		66,3	82,6	65,5	59,8
Miscellaneous			65,8	54,4	69,6	440,7
Total non-hazardous waste for recycling	886,6		1.319	1.359	1.314	1.672
Non-hazardous waste / production volume (kg/t)	48,0		45,7	46,3	53,9	70,6
Separation rate according to GewAbfV (Commercial Waste Ordinance) (%)	77,0		89	79	89	92,6

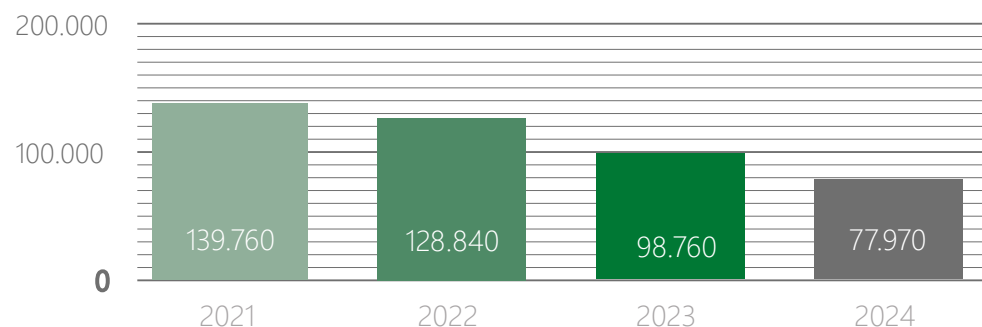
HAZARDOUS WASTE (t)

	2012	...	2021	2022	2023	2024
Total hazardous waste	0,89		11,7	6,2	8,7	4,7
Hazardous waste / production volume	0,05		0,4	0,21	0,36	0,20

The hazardous waste comes mainly from IT electronic scrap, laboratory waste and mineral wool.

The amount of hazardous waste decreased in 2024.

ENERGY PRODUCTION THROUGH OUR PHOTOVOLTAIC SYSTEM (kWh)



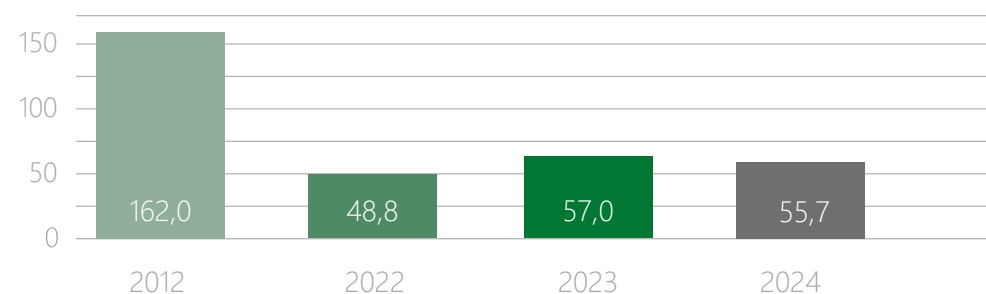
CO₂ EMISSIONS

	Unit	2012	...	2022	2023	2024
CO ₂ emissions from non-renewable electricity consumption	0.57 kg / kWh	1.999.561		0	0	0
CO ₂ emissions from heating oil consumption	2.66 kg / liter	843.944		1.304.065	1.248.678	1.163.438
CO ₂ emissions from natural gas consumption	0.23 kg / kWh	63.966		127.787	140.680	156.022
Total CO ₂ emissions		2.903.471		1.431.852	1.389.358	1.319.460
CO ₂ emissions / total production volume	kg / t f. g.	162,0		48,8	57,0	55,7

2024 saw a reduction in the CO₂ emissions per kg of finished goods. This is primarily a result of the loss of production facilities following the fire.



CO₂ EMISSIONS IN KG / T FINISHED GOODS (F. G.)



OTHER EMISSIONS

	Unit	2012	...	2022	2023	2024
SO ₂ emissions from heating oil and gas	g / t f.g.	46,4		51,5	59,4	57,1
NOx emissions from heating oil and gas	g / t f.g.	31,9		35,5	41,5	39,4
Dust emissions from heating oil and gas	g / t f.g.	4,02		4,5	5,2	4,9

OUR ENVIRONMENT PROGRAM 2025 / 2026

PERSONNEL

Integration of sustainability & environmental protection in our vocational training

Goal: To include at least 3 different activities in trainee projects: e.g. projects for Mix for Kids, health and wellbeing promotion;

Due date: 12/2025

Health and environmental protection on the way to work

Goal: To leverage incentives to promote existing 'cycle to work' and bike leasing schemes;

Due date: 12/2025

SUSTAINABILITY MANAGEMENT

Recording greenhouse gas emissions

Goal: To record greenhouse gas emissions comprehensively in keeping with the GHG Protocol by the end of 2025 prior to defining measures and targets to gradually cut identified emissions;

Due date: 06/2026

Continuous implementation of Supplier Code of Conduct

Goal: To ensure the ongoing implementation of and compliance with the Supplier Code of Conduct and to confirm on an ongoing basis that all active standard suppliers agree to the Code;

Due date: 12/2025

Promoting sustainable arnica use

Goal: To partner with a German research institution with substantial arnica expertise, including a field trip to generate knowledge and promote the sustainable use of arnica on the Iberian Peninsula;

Due date: 12/2025

Sustainably certified goods

Goal: To expand the procurement of sustainably certified goods as part of the Rainforest Alliance; at least 1 item or increase in the quantity procured year-on-year;

Due date: 12/2025



TECHNICAL PROCUREMENT

Reducing packing materials

Goal: To evaluate options for utilizing packaging with lower material use while still complying with all legal, quality and customer-related requirements;

Due date: 06/2026

TECHNICAL MANAGEMENT

Replacing oil heating system with a heat pump

Goal: To switch the office building and a production line over to green electricity and a heat pump; targeted savings of approx. 8,800 l of heating oil and approx. 23 metric tons of CO₂;

Due date: 12/2025

Conversion of Hall 7 (warehouse) to LEDs

Goal: To switch existing fluorescent tubes for LED lightning and optimize the control systems; existing inventory will be used up and then replaced;

Due date: 12/2025

Reconstruction of Hall 12 in Abtswind (following fire)

Goal: To reconstruct the production hall with a ventilation system for heat recovery from waste process heat and a photovoltaic system (approx. 30% of the roof area will be fitted with solar panels);

Due date: 12/2026

Erklärung des Umweltgutachters zu den Begutachtungs- und Validierungstätigkeiten nach Anhang VII der Verordnung (EG) Nr. 1221/2009 sowie nach Änderungs-VO 2017/1505 und 2018/2026

Der Unterzeichnende, **Dr.-Ing. Reiner Beer**, EMAS-Umweltgutachter mit der Registrierungsnummer DE-V-0007, akkreditiert oder zugelassen für die Bereiche 10, 10.3, 10.84, 46.37, 47.29 (NACE-Code Rev. 2), bestätigt, begutachtet zu haben, ob die gesamte Organisation/ wie in der Umwelterklärung der Organisation

KRÄUTER MIX GMBH

an den Standorten

Wiesentheider Str. 4, 97355 Abtswind
und

Industriestraße 30, 97353 Wiesentheid

(mit der Reg.-Nr. DE-180-00058)

angegeben, alle Anforderungen der Verordnung (EG) Nr. 1221/2009 des Europäischen Parlaments und des Rates vom 25.11.2009 und Änderungs-VO 2017/1505 vom 28.08.2017 und 2018/2026 vom 19.12.2018 über die freiwillige Teilnahme von Organisationen an einem Gemeinschaftssystem für Umweltmanagement und Umweltbetriebsprüfung (EMAS) erfüllt.

Mit der Unterzeichnung dieser Erklärung wird bestätigt, dass

- die Begutachtung und Validierung in voller Übereinstimmung mit den Anforderungen der Verordnung (EG) Nr. 1221/2009 und Änderungs-VO 2017/1505 und 2018/2026 durchgeführt wurden,
- das Ergebnis der Begutachtung und Validierung bestätigt, dass keine Belege für die Nichteinhaltung der geltenden Umweltvorschriften vorliegen,
- die Daten und Angaben der aktualisierten Umwelterklärung der Organisation / des Standortes ein verlässliches, glaubhaftes und wahrheitsgetreues Bild sämtlicher Tätigkeiten der Organisation/ des Standortes innerhalb des in der Umwelterklärung angegebenen Bereichs geben.

Diese Erklärung kann nicht mit einer EMAS-Registrierung gleichgesetzt werden. Die EMAS-Registrierung kann nur durch eine zuständige Stelle gemäß der Verordnung (EG) Nr. 1221/2009 erfolgen. Diese Erklärung darf nicht als eigenständige Grundlage für die Unterrichtung der Öffentlichkeit verwendet werden.

Nürnberg, 16.05.2025



Dr.-Ing. Reiner Beer
Umweltgutachter

CERTIFICATE



Kräuter Mix GmbH

Wiesentheider Str. 4
97355 Abtswind

with business locations
Wiesentheider Straße 4, 97355 Abtswind and
Industriestraße 30, 97353 Wiesentheid

Register-Nr. DE-180-00058

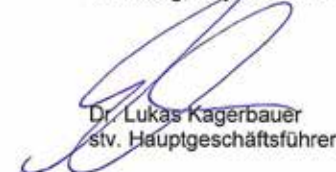
Date of registration
January 13th 2015

Date of expiry
June 4th 2027

This organisation has established an environmental management system according to EU-Regulation Nr. 1221/2009 and EN ISO 14001:2015 (section 4 to 10) to promote the continual improvement of environmental performance, publishes an environmental statement, has the environmental management system verified and the environmental statement validated by a verifier, is registered under EMAS (www.emas-register.de) and therefore is entitled to use the EMAS-Logo



Würzburg, July 24th 2024



Dr. Lukas Kagerbauer
stv. Hauptgeschäftsführer

CLOSING REMARKS FROM THE COMPANY MANAGEMENT

We would like to thank all our employees for their ongoing commitment to improving our environmental performance.

Special thanks go to the EMAS team as we mark over ten years of EMAS certification, our Energy Management Officer Stefan Stiele, our Plant Manager André Metz and the Sustainability Management team.

Let's continue to work together to conserve our natural resources – a must if we are to protect our plant-based raw materials!





IMPRINT

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May 2025

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