



kern tec

UPCYCLED COSMETIC
INGREDIENTS

PRODUCT PORTFOLIO
2025 / 2026

PUBLIC EDITION*

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KERN TEC

A SECOND LIFE FOR FOOD WASTE

Kern Tec is redefining the value of agricultural side streams by transforming the overlooked potential of fruit kernels into high-performance food and cosmetic ingredients. With roots in the food industry and a proven track record in upcycling technologies, Kern Tec specializes in the large-scale valorization of apricot, plum, and cherry kernels sourced from fruit juice and jam production.

As the cosmetic industry evolves toward zero-waste thinking, our cosmetic ingredients offer both functional excellence and a strong sustainability narrative, making them a strategic choice for brands that care about their ingredients, their customers, and the planet.

Discover our exclusive selection of high-quality cosmetic ingredients made from stone fruit seeds - the perfect choice for sophisticated cosmetic products that delight the environment and customers alike.

“ Kern Tec creates a world, where unused resources are processed before new ones are grown. ”

Michael Beitzl - Co-Founder & Head of Sales



FROM WASTE TO VALUE

THE PATHWAY OF UPCYCLED STONE FRUIT PITS



"Our sustainably sourced, high-quality ingredients ensure beauty with an authentic commitment to environmental responsibility."

*Felix Billiani, Head of Business Development
Cosmetic Ingredients*



INGREDIENTS WITH A STORY

UPCYCLED | FUNCTIONAL | TRANSPARENT

As the cosmetic industry evolves toward zero-waste thinking, our stone fruit kernel oils offer both functional excellence and a strong sustainability narrative, making them a strategic choice for brands that care about their ingredients, their customers, and the planet.



FIGHT FOOD WASTE!

1/3 of the food we produce is wasted!

Rescuing stone fruit pits, means to save resources.



LESS CO2 EMISSIONS!

34% of global greenhouse gas emissions are related to food.

Saving stone fruit pits helps to lower those emissions.



100% BEE-FRIENDLY!

Unlike other nuts, our stone fruit kernels do not cause bee mortality.



CONSERVE WATER!

70% of the world's freshwater is used for agriculture. Our saved stone fruit pits are already grown, no extra water is needed.



NO EXTRA LAND USE!!

Our stone fruit pits are already grown, therefore no extra land must be used.

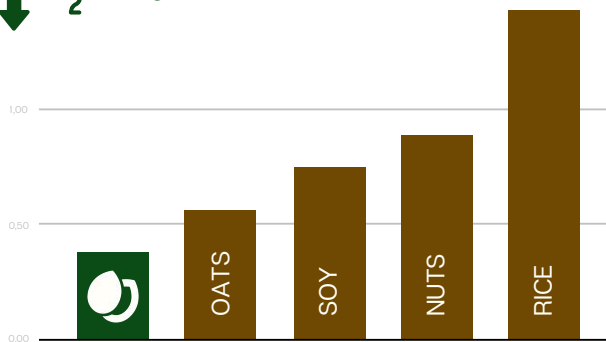
SAVING RESSOURCES

The demand for eco-friendly products is ever-growing. Customers need products that combine functionality with sustainability on a new level. By incorporating our innovative, upcycled ingredients, you can fulfill these needs to the fullest extent and gain an advantage in the market!

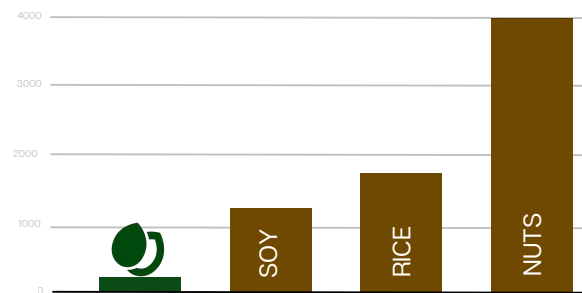
Our stone fruit oils save immense amounts of water and CO² emissions compared to convenient materials like almond oil!



Comparison of Emissions*
in kg CO₂ Equivalents



Comparison of Water Usage*
in Liter



*per kg of raw ingredient
(confirmed by official sources)

0% EXTRA LAND USE

as an upcycled resource our apricot pits do not need to be grown.

26% OF CONSUMERS

want to increase their spending for more eco-friendly products.

100% BEE FRIENDLY 

Compared to nuts, apricot kernels are not connected to the growing problem of bee deaths.

68% OF SHOPPERS

want to support sustainability even more with their buying decisions.

Sources:

<https://www.theguardian.com/environment/2020/jan/07/honeybees-deaths-almonds-hives-aoe>

<https://de.statista.com/statistik/daten/studie/820385/umfrage/persoeliches-engagement-zur-foerderung-von-nachhaltigkeit-in-deutschland/>

QUALITY MANAGEMENT

THE FOUNDATION OF OUR SUCCESS



At Kern Tec we test each batch in collaboration with SGS Germany, analyzing microbiology, allergens, and key safety parameters. Internally, we go further: with HCN analysis and in-depth sensory testing, we control not only the safety, but also the intensity and fragrance character of our oils. Our ingredients are stored below 12 °C and 70 % humidity, securing freshness and stability until delivery.

For us, quality means connecting food-grade safety with the functionality cosmetic brands rely on - everyday, without compromise.

*"Quality is not a promise,
it is our standard."*

Dipl.-Ing. Sophia Horlbeck - Head of Quality Management



NATRUE Approved





**high quality
management
standards**

**100% upcycled
raw material**

**Ecological
alternative for
almond oil &
microplastic**

 **kern tec**
COSMETIC INGREDIENTS

**Versatile
application**

**quick response
and delivery**


**sustainable
product
value**



KERN OILS

UPCYCLED | NOURISHING | FUNCTIONAL



 Kern Oils can be used in a wide range of cosmetic applications. From emollients and body oils to masks and fragrance-free formulas.

Their natural composition makes them ideal for sensitive skin care with many functional benefits.

Explore our wide range of stone fruit oils and profit from our deep knowledge on raw material quality and applications!

KERN OILS

BENEFITS & APPLICATIONS

100% upcycled ingredient

- From fruit processing side streams (e.g. juice, jam production)
- New marketing approach for environmental responsible companies



UPCYCLING
RESSOURCE

Natural masking agent

- Sweet, nutty, desertlike tones with complex amaretto, marzipan and fruity profiles
- Free from synthetic fragrance
- Ideal for perfume-free products



NATURAL
MASKING

Anti-Oxidant & Regenerative effect

- High amount of oleic and linoleic acid for antioxidant and regenerative effects
- Ideal for anti aging products



Plant-based carrier oils

- Ideal for sensitive and perfume-free formulations
- Emollient
- Lipid replenishers



Fast skin retraction

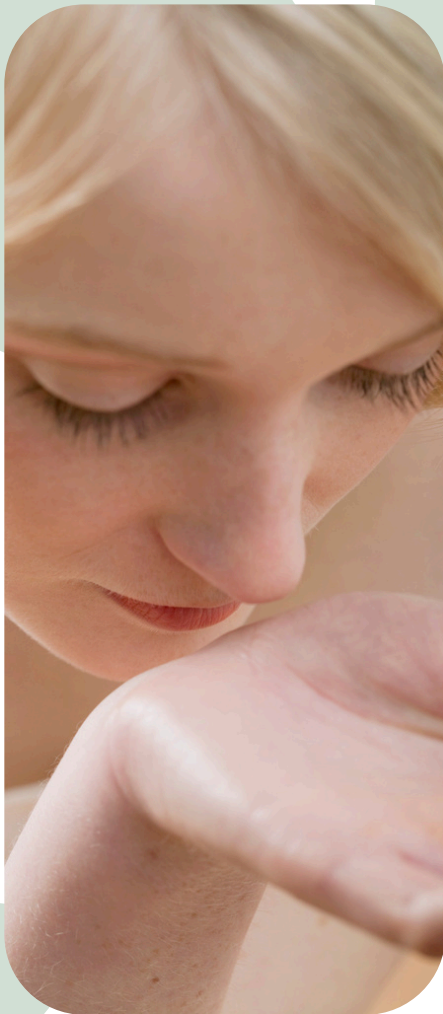
- Pleasant skin feel (non-greasy)

Excellent skin compatibility

- Non-irritating, gentle on sensitive skin



NATURAL MASKING AGENT



Sensory Benefits with Performance Value

Our premium-grade cold-pressed Plum, Apricot, and Cherry Seed Oils offer more than just emollient properties – they also act as effective natural masking agents in cosmetic formulations. Their unique olfactory profiles, ranging from soft marzipan and almond-like to delicate fruity and floral notes, help neutralize or harmonize the base odor of formulations, particularly in fragrance-free, sensitive skin, or natural product lines.

These oils are ideal for reducing the sensory impact of active ingredients, fermentation-based raw materials, or naturally occurring base odors in minimalist formulas.

By incorporating Kern Tec's premium oils, formulators can replace synthetic masking agents while adding functional and marketable value to their cosmetic products:

*All based on upcycled, traceable ingredients
with clean beauty appeal.*

GENERAL PRODUCT INFORMATION

Certification Grades

- Organic Quality
- NATRUE Approved
- COSMOS Approved
- EU and NON-EU Origin



Pressing Quality Grades

- Cold Pressed (Food & Cosmetic Quality)
- Warm Pressed (Cosmetic Quality)
- Refined (Cosmetic quality)
- Blank filtered / Naturally settled



COSMOS
APPROVED



NATRUE Approved

Intensity Levels

- Neutral (mild-sweet)
- Standard (balanced)
- Premium (strong marzipan/fruity)



Shelf Life & Packaging Units

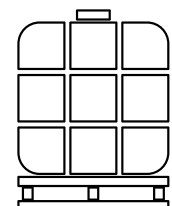
- Stability: 14 months (depending on storage)
- Canisters (5/10/25 kg)
- Steel Drums (190 kg)
- IBC (1000 L)



Canister
5/10/25 kg



Drum
190 kg



IBC
1000 L

Minimum Order Quantity

- 25 kg (Samples excluded)

KERN OILS

PRODUCT RANGE

Due to Kern Tec's long experience with products deriving from stone fruit seeds, we developed processes to characterize the complex profile of each batch we offer.

This gives you full transparency for your product development or for products where you already need a specific quality of oil.

Oil Product	Quality Grade	Processing Quality	Sensory Properties	Applications
Apricot Seed Oil	Refined	Refined	neutral	Cosmetic
	Neutral	Cold Pressed Warm Pressed	mild nutty, sweet, slight Marzipan	Cosmetic / Food
	Standard	Cold Pressed Warm Pressed	nutty, slight Marzipan, herbal	Cosmetic / Food
	PREMIUM	Cold Pressed	intense Marzipan, Amaretto	Cosmetic / Food
Cherry Seed Oil	Standard	Cold Pressed Warm Pressed	slight amaretto, cherry fruit	Cosmetic / Food
	PREMIUM	Cold Pressed	amaretto, fruity- sweet cherry	Cosmetic / Food
Plum Seed Oil	Standard	Cold Pressed Warm Pressed	mild Marzipan, ripe plum fruits, sweet	Cosmetic / Food
	PREMIUM	Cold Pressed	strong Marzipan, ripe plum fruits, sweet	Cosmetic / Food

Please note the following information:

Information in this sales document is purely informative and contains guide values. They are no substitute for preliminary tests to prove suitability for the intended use. Information on appearance, chemical properties, physical properties, odor and taste or analytics is always subjective or subject to the usual fluctuations for natural products. For more detail please contact us directly.



APRICOT SEED OIL



THE VERSATILE
ALLROUNDER



GENERAL INFORMATION

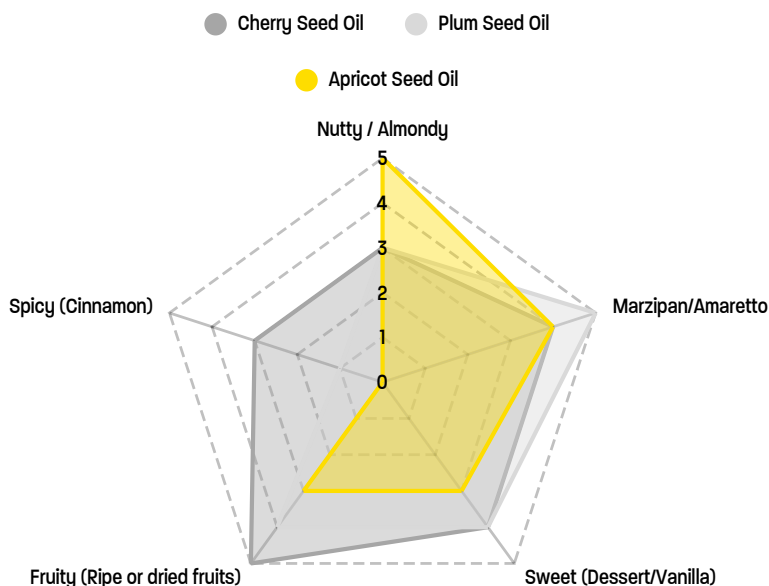
APRICOT SEED OIL

Ideal for sensitive skin, baby care and skin care products

Kern Apricot Seed Oil is a highly versatile botanical oil ideal for modern skincare and anti-aging products. Rich in natural tocopherols (vitamin E), oleic acid and phytosterols, it is especially well-suited for sensitive and mature skin, offering both protective and regenerative properties.

Its rapid absorption and gentle profile make it perfect for leave-on applications, including facial oils, massage products and daily moisturizing care. Available in multiple intensities, it is the perfect allrounder within the stonefruit oil range.

INCI: PRUNUS ARMENIACA KERNEL OIL



SENSORIC PROFILE

APRICOT SEED OIL

Neutral

Standard

PREMIUM

Description

Sweet Oil

Slightly Intense/Bitter Oil

Intense/Bitter Oil

Origin Seeds

EU/NON-EU

EU/NON-EU

EU/NON-EU

Oil Pressed in

EU/NON-EU

EU/NON-EU

EU/NON-EU

Application

Carrier Oil

Carrier Oil

Carrier Oil / Masking Agent

Odor Description

Mild, slightly floral sweet flavour that is delicately perceptible

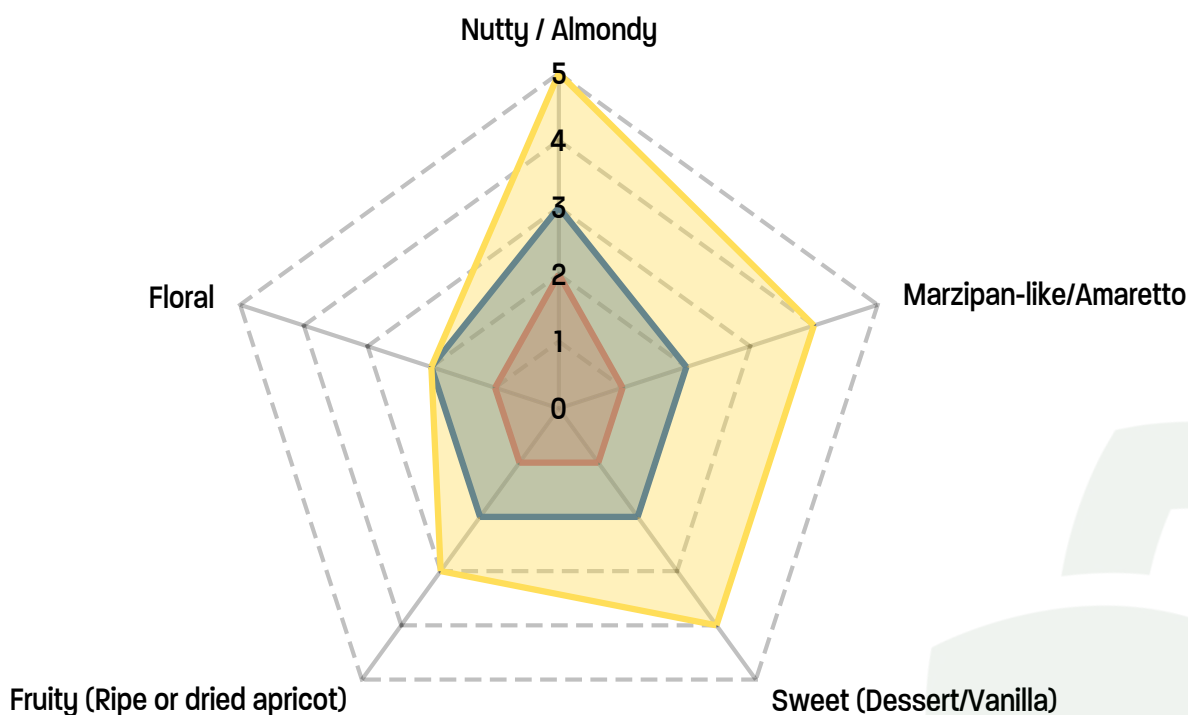
Especially oils with a grassy, herbal note

Complex, sweet, nutty almond-like flavour with a smoky note reminiscent of marzipan desserts or amaretto

● Neutral

● Standard

● Premium





CHERRY SEED OIL

THE FRUITY
NEWCOMER



GENERAL INFORMATION

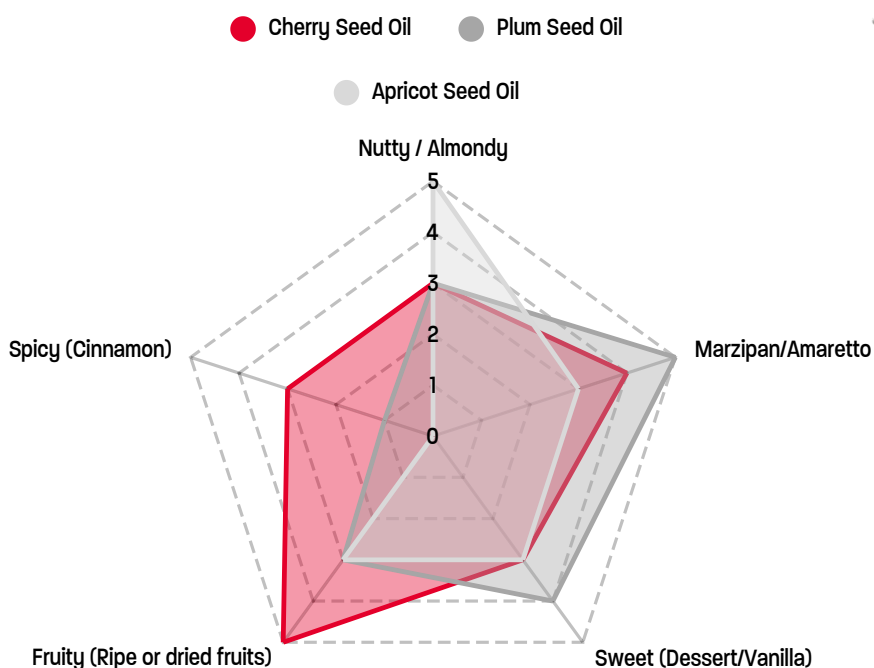
CHERRY SEED OIL

Excellent for leave-on care and hair and scalp blends.

Kern Cherry Seed Oil is a fast-absorbing, vitamin-rich oil ideal for dry, irritated or aging skin. Packed with vitamin E, it promotes skin regeneration, reduces redness, and enhances smoothness.

Its light feel, emollient effect and mild cherry-kernel aroma make it a functional and sensorially elegant raw material for skin and hair care products

INCI: PRUNUS CERASUS KERNEL OIL



SENSORIC PROFILE

CHERRY SEED OIL

Standard

PREMIUM

Description

Slightly Intense/Bitter Oil

Intense/Bitter Oil

Origin Seeds:

NON-EU

EU

Oil Pressed in

EU/NON-EU

EU (Germany/Austria)

Application

Carrier Oil

Carrier Oil / Masking Agent

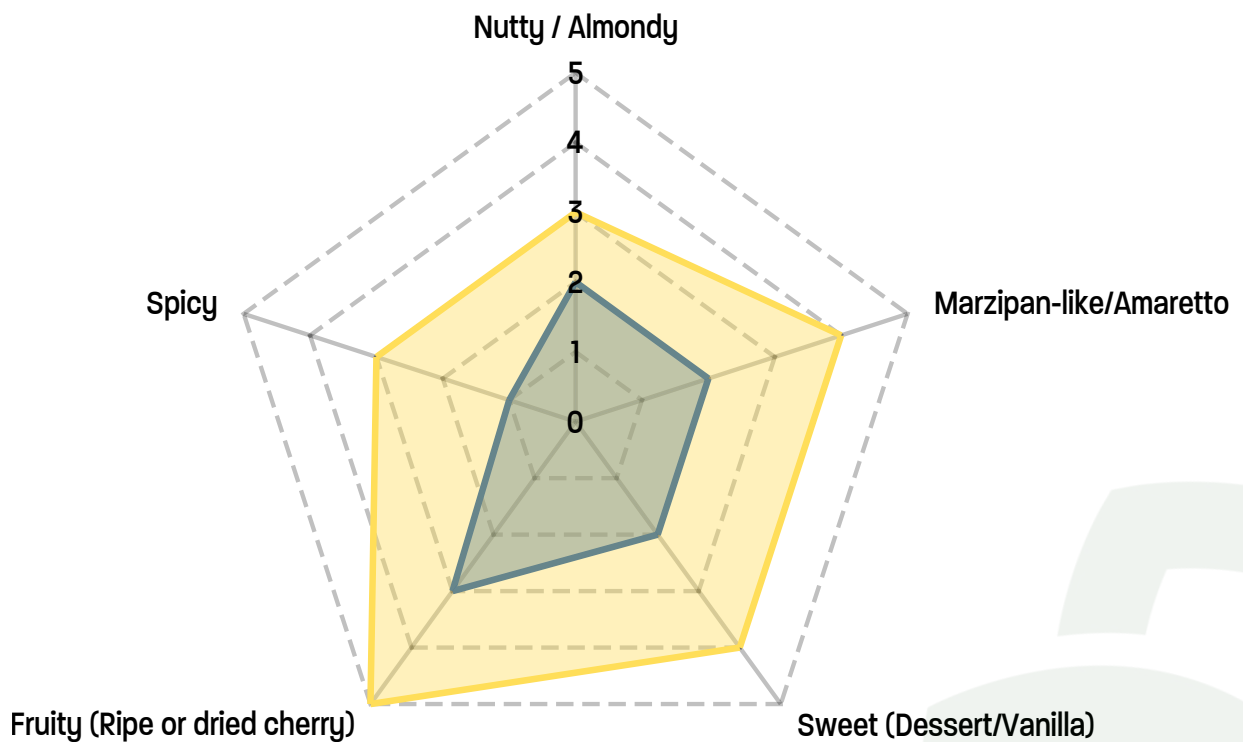
Odor Description

Slightly fruity cherry flavour, slight amaretto and nutty nuances

Intense cherry fruit flavour (ripe cherry) with strong warm amaretto, cinamon and vanilla notes

● Standard

● Premium





PLUM SEED OIL

THE ELEGANT
SCENT ENHANCER



GENERAL INFORMATION

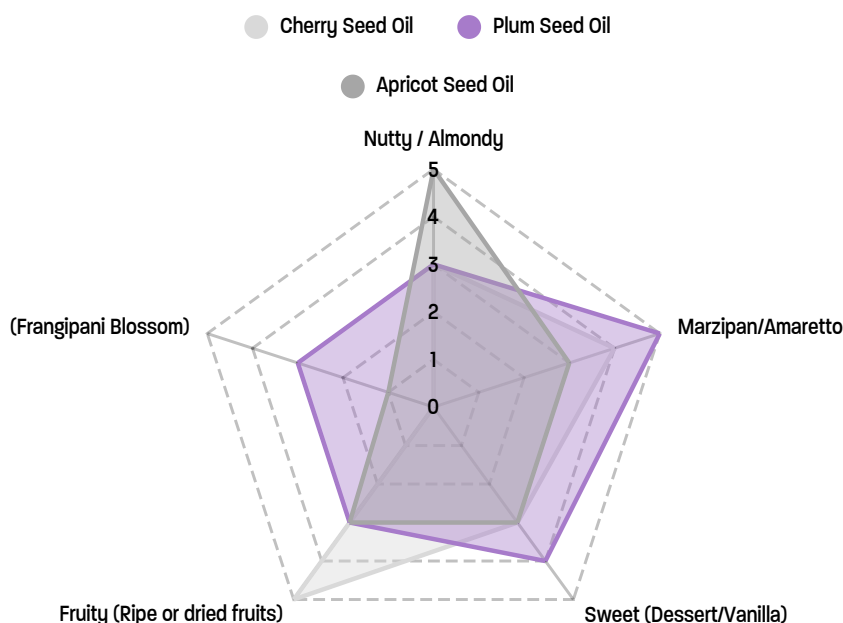
PLUM SEED OIL

Ideal for premium facial care and anti-aging formulations

Kern Plum Seed Oil is an oil prized for its light texture, luxurious sweet and marzipan odor, and high antioxidant content. Rich in vitamin E and oleic/linoleic acid, it supports skin elasticity, hydration, and anti-aging effects without leaving a greasy finish.

Its anti-inflammatory properties make it suitable for sensitive or reactive skin, while the sensory profile adds a fantastic masking effect to perfume-free formulations.

INCI: PRUNUS DOMESTICA KERNEL OIL



SENSORIC PROFILE

PLUM SEED OIL

Standard

PREMIUM

Description

Slightly Intense/Bitter Oil

Intense/Bitter Oil

Origin Seeds

NON-EU

EU

Oil Pressed in

EU/NON-EU

EU (Germany/Austria)

Application

Carrier Oil

Carrier Oil / Masking Agent

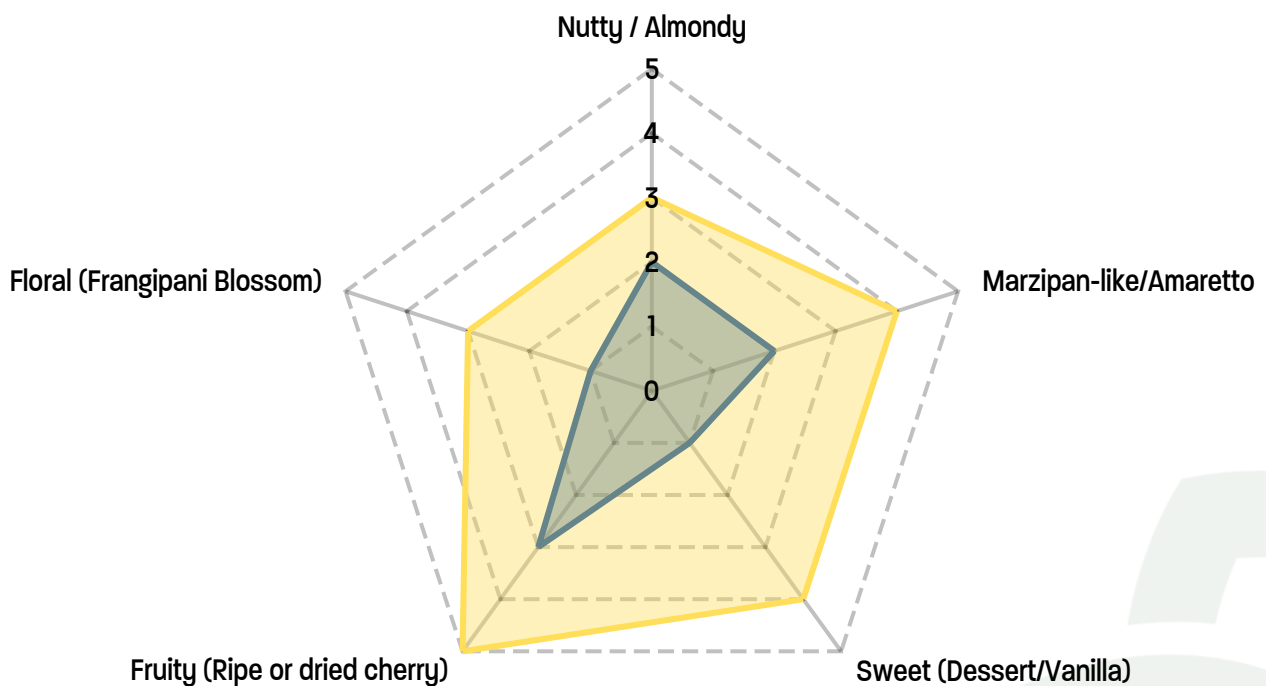
Odor Description

Mild dessert-like, sweet scent with hints of marzipan

intensive sweet marzipan scent, with nuances of bourbon-vanilla




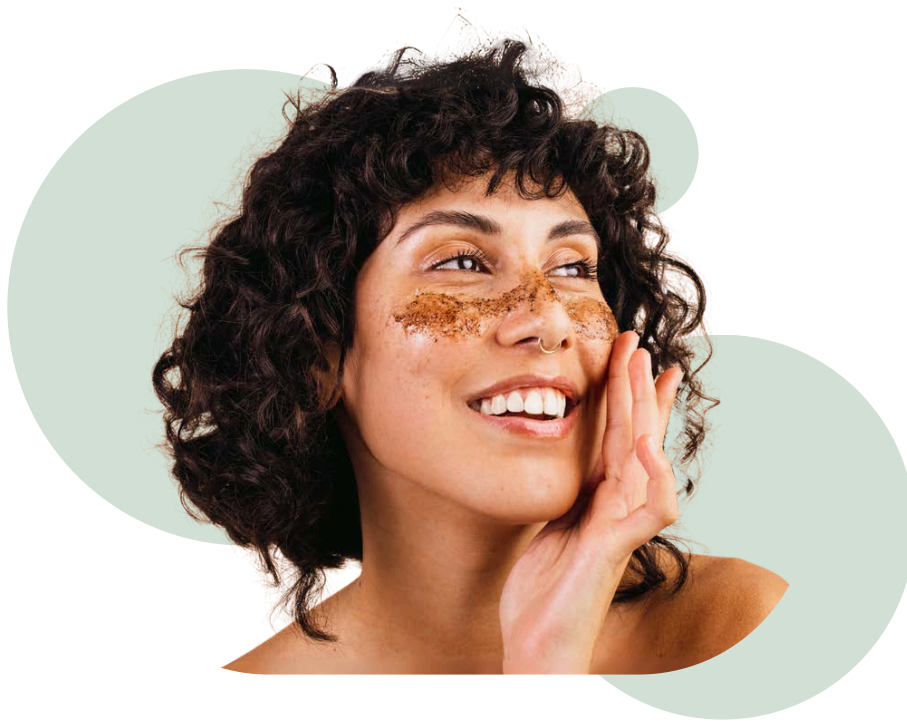
● Standard ● Premium





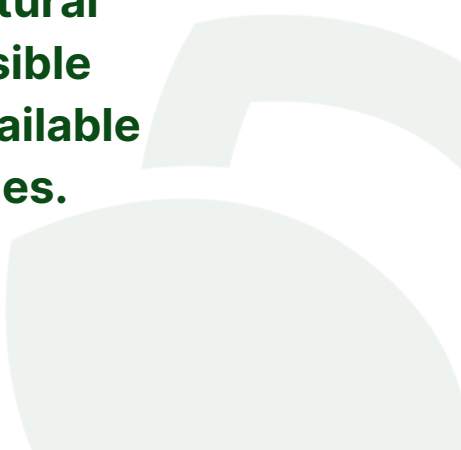
KERN PEEL

UPCYCLED | FUNCTIONAL | BIODEGRADABLE



Kern Peel is a natural exfoliant made from upcycled apricot, plum, and cherry shells. With full traceability and production in Germany, it offers a plant-based, biodegradable alternative to microplastics.

Ideal for scrubs, cleansers, and natural cosmetics, Kern Peel combines visible sustainability with performance – available in various particle sizes and shades.





KERN PEEL

BENEFITS & APPLICATIONS

Fully upcycled ingredient

- 100% upcycled from fruit kernel shell waste

100% Plant-Based

- no synthetic additives
- no synthetic binders

Alternative Natural Resource

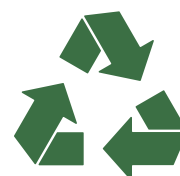
- Biodegradable alternative to microplastics and synthetic abrasives

Various Granulations & Colors

- Compatible with natural cosmetic and skincare formulations
- Granulation Sizes crafted for your ideal formulation needs
- Colors from beige, orange to brown

Marketing Advantage

- Storytelling & clean branding
- Enhanced brand transparency and traceability



UPCYCLING
RESSOURCE



MICROPLASTIC
REPLACEMENT

GENERAL INFORMATION

KERN PEEL

Certification Grades

- NATRUE Approved
- COSMOS Approved
- REACH-compliant
- Future-proof under EU microplastic bans



Processing & Analysis

- Produced in Germany
- Shipped from Germany or Austria
- DIN EN ISO 17516 microbiological compliance
- Heavy metal and PAH tested on request



COSMOS
APPROVED



NATRUE Approved

Granulation Sizes

- Fine (<100-500µm)
- Medium (500-1200µm)
- Coarse (>1200µm)



ISO 17516:2014

Shelf Life & Packaging Units

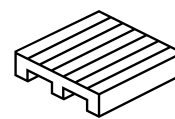
- Paper Bags (50L = 25 kg)
- Bag Palette (12*25kg=750 kg)
- BigBags (bulk) (1000/2000 L)

Minimum Order Quantity

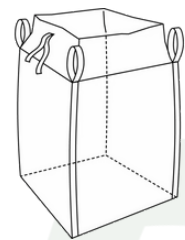
- 25 kg (Samples excluded)



Paper bags
25k g per bag



Full Pallet
750 kg
(12*25 kg)



Big Bag
1000 L~700 kg
2000 L~1400 kg

KERN PEEL

PRODUCT RANGE

Please contact us for more technical information and corresponding specification and safety data sheets.

Shell Type

INCI

Color Example*

Kern Peel **Apricot**
Prunus armeniaca

PRUNUS ARMENIACA
SHELL GRANULATE /
POWDER



Kern Peel **Cherry**
Prunus cerasus

PRUNUS CERASUS
SHELL GRANULATE /
POWDER



Kern Peel **Plum**
Prunus domestica

PRUNUS DOMESTICA
SHELL GRANULATE /
POWDER






*Colors may vary, due to its natural behaviour.

TECHNICAL INFORMATION

KERN PEEL

Standard Granulation Sizes

Other sizes/intervals on request.

	Granulation (μm)	Application Examples
FINE	 <100 μm	Facial scrubs, cleansing gels
	100–500 μm	Mild body scrubs
MEDIUM	 500–800 μm	Shower gels, Body exfoliants, masks
	800–1200 μm	Liquid Soaps, Massage peels, rinse-off products
COARSE	 1200–1600 μm	Solid soaps, foot scrubs, exfoliating bars
	>1600 μm	Decorative soaps, visual exfoliants



CONTACT

ORDER YOUR
FREE SAMPLE
NOW!



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