



# 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.

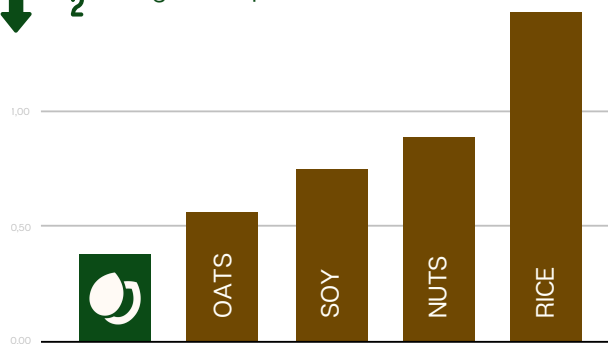
# SAVING RESSOURCES

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!

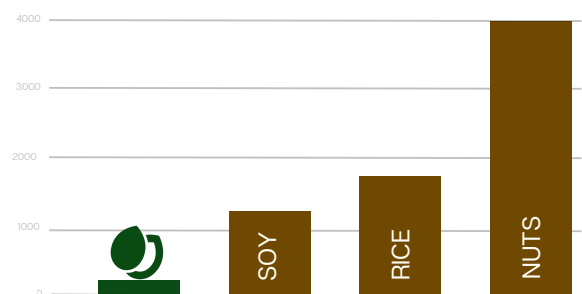
*Our stone fruit oils save immense amounts of water and CO<sup>2</sup> emissions compared to convenient materials like almond oil!*



**Comparison of Emissions\***  
in kg CO<sub>2</sub> 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/persoennliches-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.*

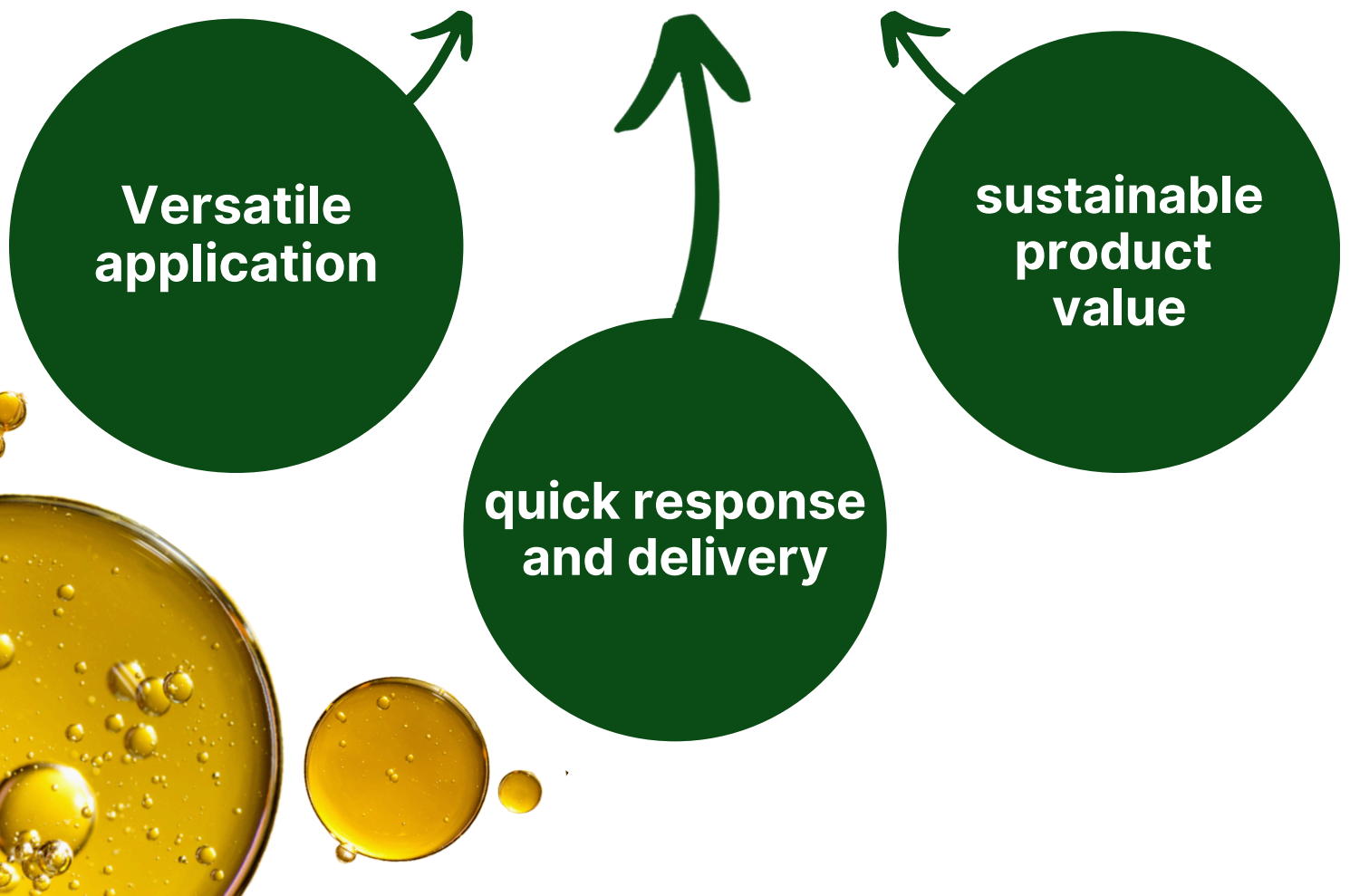
*"Quality is not a promise,  
it is our standard."*

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






 **kern tec**  
COSMETIC INGREDIENTS





# 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)

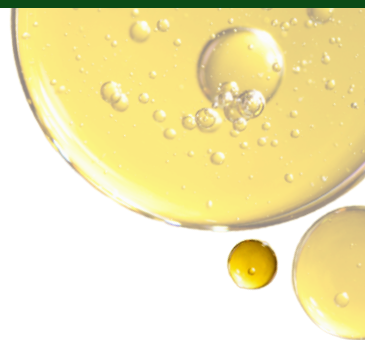
### Excellent skin compatibility

- 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

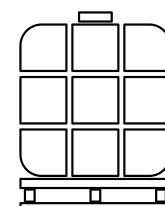
- Stability: 14 months (depending on storage)
- Canisters (5/10/25 kg)
- Steel Drums (190 kg)
- IBC (1000 L)



**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 Tecs 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	Sensoric 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

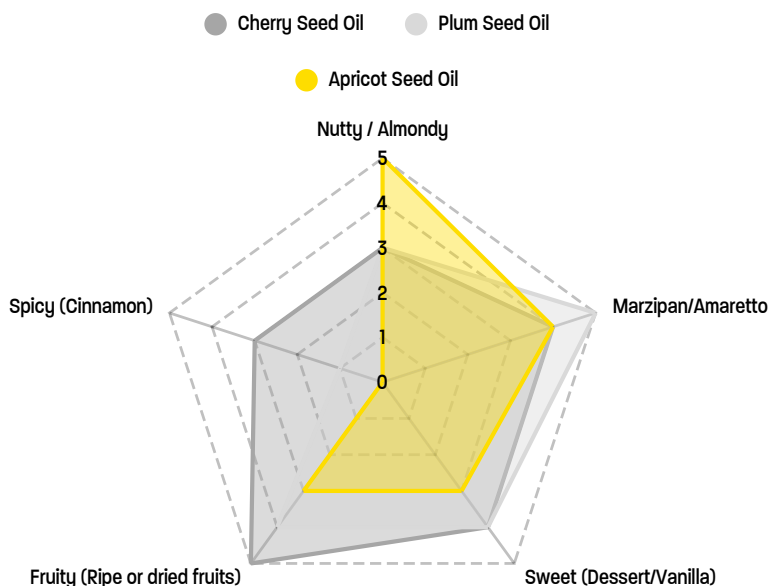
## APRICOT SEED OIL

*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

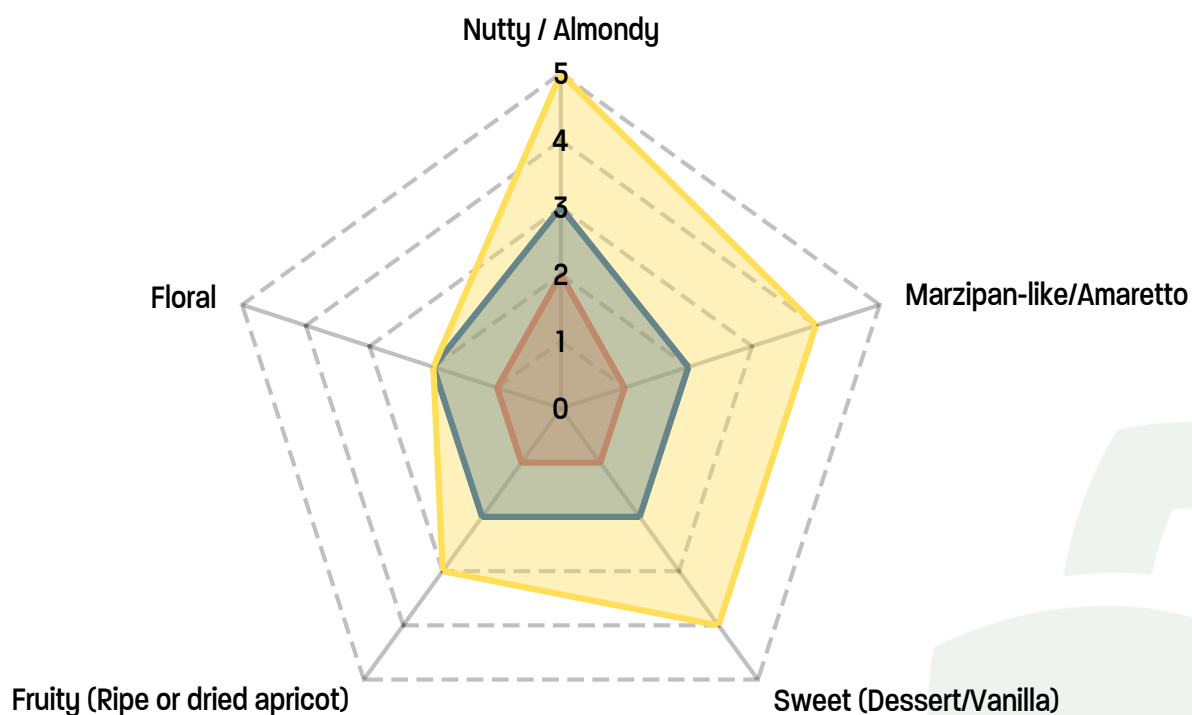
Especially oils with a grassy, herbal note

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

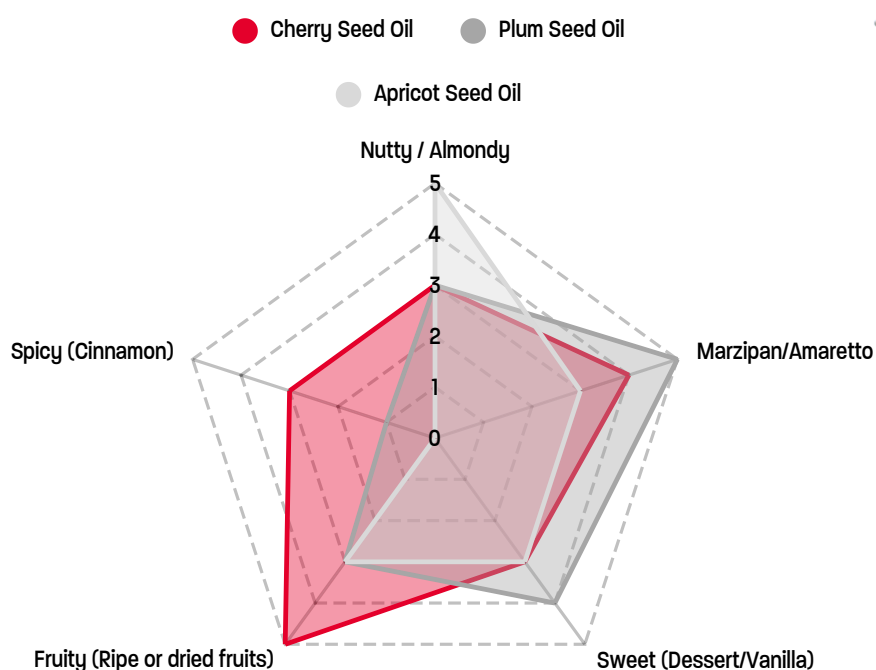
## CHERRY SEED OIL

*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

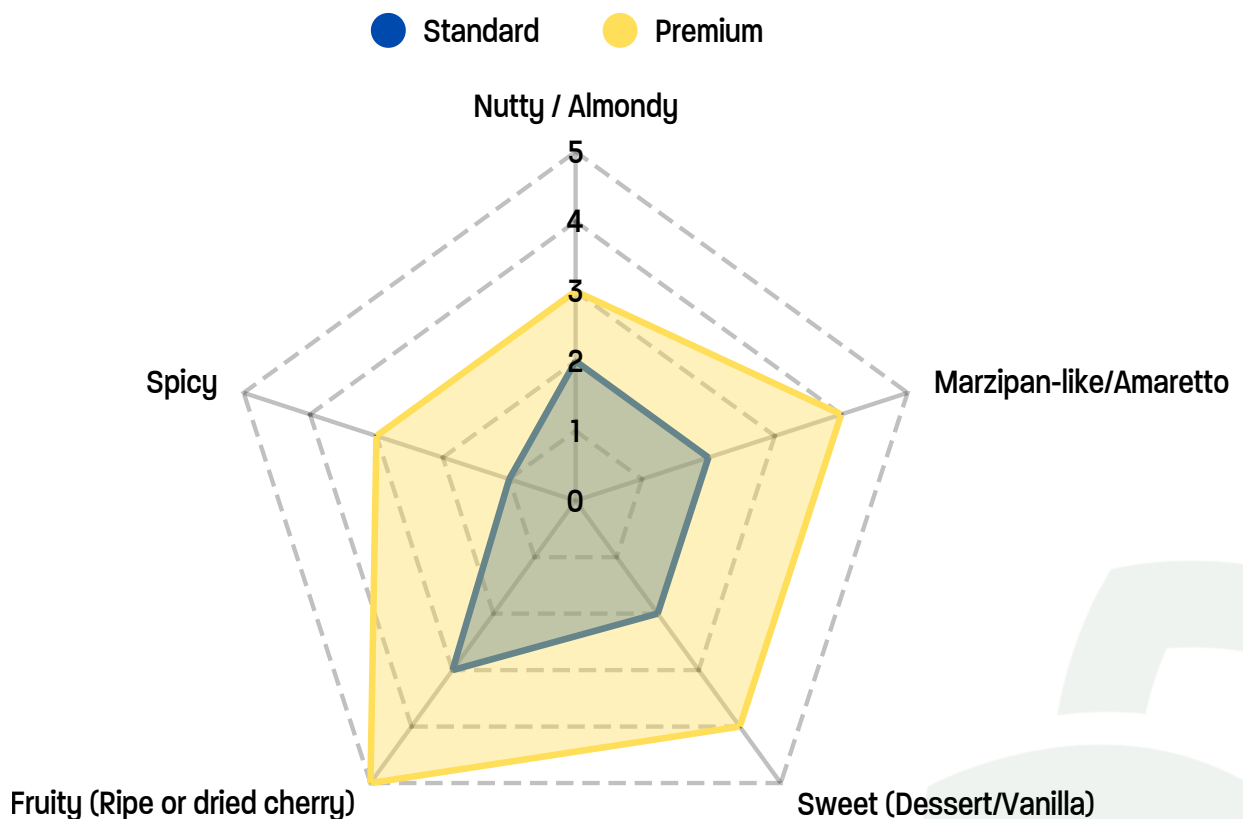
Carrier Oil

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





# PLUM SEED OIL



THE ELEGANT  
SCENT ENHANCER



# GENERAL INFORMATION

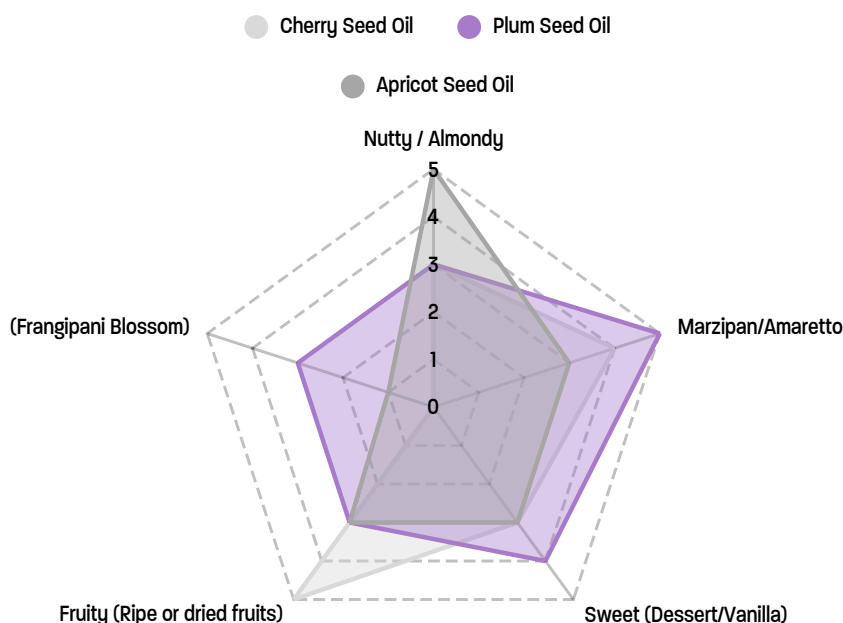
## PLUM SEED OIL

*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

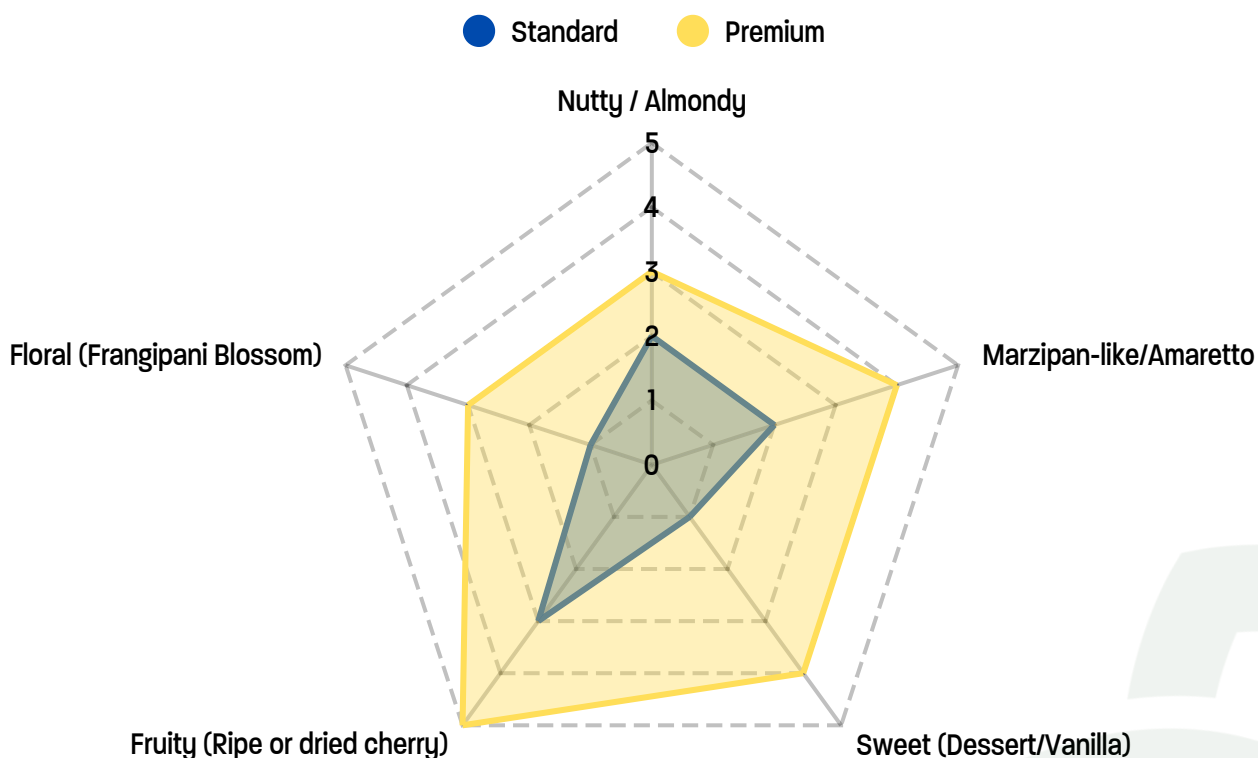
Carrier Oil

Carrier Oil / Masking Agent

### Odor Description

Mild dessert-like, sweet scent  
with hints of marzipan


intensive sweet marzipan scent,  
with nuances of bourbon-  
vanilla





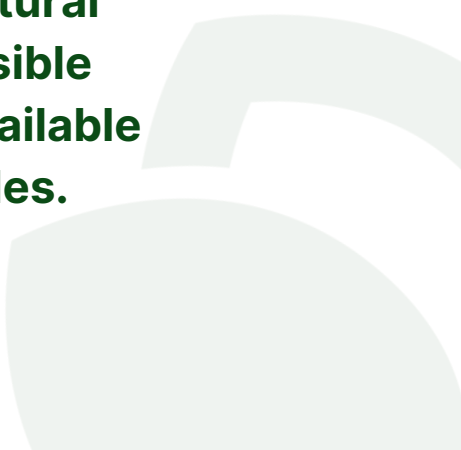
# KERN PEEL

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 Ressource

- Biodegradable alternative to microplastics and synthetic abrasives

### Various Ganulations & 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)

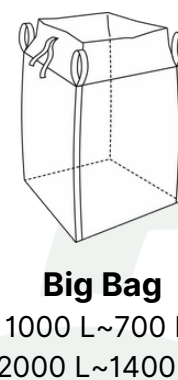
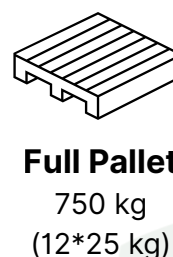
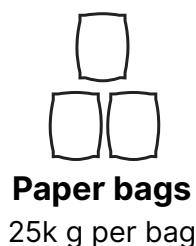


### Shelf Life & Packaging Units

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

### Minimum Order Quantity

- 25 kg (Samples excluded)



# 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 ( $\mu\text{m}$ )	Application Examples
FINE		$<100\ \mu\text{m}$	Facial scrubs, cleansing gels
		$100\text{--}500\ \mu\text{m}$	Mild body scrubs
MEDIUM		$500\text{--}800\ \mu\text{m}$	Shower gels, Body exfoliants, masks
		$800\text{--}1200\ \mu\text{m}$	Liquid Soaps, Massage peels, rinse-off products
COARSE		$1200\text{--}1600\ \mu\text{m}$	Solid soaps, foot scrubs, exfoliating bars
		$>1600\ \mu\text{m}$	Decorative soaps, visual exfoliants



# CONTACT

ORDER YOUR  
FREE SAMPLE  
NOW!



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UPCYCLED COSMETIC  
INGREDIENTS

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