

Formulator's Selection Guide: A concise comparison matrix designed for R&D formulators, brand owners, and technical buyers. Compare physical properties, thermal traits, key sensory profiles, and formulation roles across our clean-label, plant-derived, and high-performance ingredient ranges.

1. PHYTOBUTTER™ RANGE — BOTANICAL & FUNCTIONAL BUTTERS

100% Natural origin & Vegan butter bases engineered for constant melting behavior, enhanced stability, and rich oil-binding capacity in personal care products.

TRADE NAME & INCI	APPEARANCE / ODOUR	MELTING POINT	CHEMICAL METRICS	KEY FUNCTION & SENSORY	APPLICATIONS
PhytoButter™ PB 2201 Rice Bran <i>Hydrogenated Oryza Sativa (Rice) Bran Oil</i> 100% Natural & Vegan	White to pale yellow semi-solid	50 – 70 °C	AV: ≤ 10.0 mgKOH/g IV: 40 - 60 gI ₂ /100g SV: 70 - 90 mgKOH/g	Constant melting behavior, enhanced oil binding, authentic botanical feel.	Colour cosmetics, lip care, skin balms, hair pomades.
PhytoButter™ PB 2203 Sunflower <i>Hydrogenated Helianthus Annuus Seed Oil</i> 100% Natural & Vegan	Off-white to pale yellow semi-solid	55 – 65 °C	AV: ≤ 5.0 mgKOH/g IV: 70 - 90 gI ₂ /100g SV: 170 - 200 mgKOH/g	Reliable structure, excellent compatibility with clean & organic formulas.	Sticks, balms, skin care emulsions, styling products.
PhytoButter™ PB 2205 Soya <i>Hydrogenated Soybean Oil</i> 100% Natural & Vegan	Pale yellow semi-solid	50 – 70 °C	AV: ≤ 5.0 mgKOH/g IV: 50 - 70 gI ₂ /100g SV: 170 - 200 mgKOH/g	Provides smooth cushion, consistent thermal response, high stability.	Balms, lip care systems, hot pours, hair care treatments.
PhytoButter™ PB 2207 Coconut <i>Hydrogenated Cocos Nucifera (Coconut) Oil</i> 100% Natural & Vegan	White semi-solid	40 – 50 °C	AV: ≤ 5.0 mgKOH/g IV: ≤ 5.0 gI ₂ /100g SV: 225 - 285 mgKOH/g	Quick melt-on-skin profile, pleasant cooling profile, non-greasy cushion.	Skin care lotions, melt-in balms, anhydrous formulas, lip care.
PhytoButter™ PB 2209 Castor <i>Hydrogenated Ricinus Communis Seed Oil</i> 100% Natural & Vegan	White to off-white semi-solid	50 – 70 °C	AV: ≤ 5.0 mgKOH/g IV: 45 - 55 gI ₂ /100g SV: 170 - 200 mgKOH/g	Superior pigment dispersion, gloss enhancement, rich emollient film.	Lipsticks, color hot pours, glossy balms, hair treatments.
PhytoButter™ PB 2211 Palm <i>Hydrogenated Elaeis Guineensis (Palm) Oil</i> 100% Natural & Vegan	White to off-white semi-solid	50 – 70 °C	AV: ≤ 2.0 mgKOH/g IV: 50 - 70 gI ₂ /100g SV: 190 - 205 mgKOH/g	Creamy body builder, reliable viscosity regulator, excellent stability.	Emulsions, body creams, solid sticks, conditioning balms.
PhytoButter™ PB 2213 Almond <i>Hydrogenated Prunus Amygdalus Dulcis Oil</i> 100% Natural & Vegan	White to creamish white semi-solid	55 – 70 °C	AV: ≤ 5.0 mgKOH/g IV: 45 - 65 gI ₂ /100g SV: 170 - 200 mgKOH/g	Nourishing feel, smooth payoff, elegant botanical lipid profile.	Facial creams, lip care, hair balms, premium cosmetics.
PhytoButter™ PB 2215 Olive <i>Hydrogenated Olea Europaea Fruit Oil</i> 100% Natural & Vegan	Pale yellow soft fat	40 – 50 °C	AV: ≤ 2.0 mgKOH/g IV: 50 - 70 gI ₂ /100g SV: 175 - 200 mgKOH/g	Soft melting cushion, biomimetic olive fatty acid feel, deep skin comfort.	Hydrating creams, sensitive skin balms, lip balms.
PhytoButter™ Renewex <i>Hydrogenated Soybean Oil, Lactic Acid, Cetearyl Oliviate, Sorbitan Oliviate, Salix Alba Bark Oil</i> Active Botanical Butter	Pale yellow semi-solid butter	50 – 60 °C	AV: ≤ 2.0 mgKOH/g IV: 50 - 70 gI ₂ /100g SV: 170 - 200 mgKOH/g	Engineered Exfoliating Butter: Dual AHA-BHA inspired system for mild skin renewal & acne care.	Exfoliating creams, acne balms, overnight repair, Keratosis Pilaris care.

2. PLANTFUSION™ RANGE — NATURAL BOTANICAL WAXES

High-melting natural plant wax flakes providing structural integrity, oil gelling, thermal resistance, and clean label appeal.

TRADE NAME & INCI	FORMAT / COLOR	MELTING POINT	CHEMICAL SPECS	KEY PERFORMANCE & APPLICATION
Plantfusion™ PF 2201 Rice Bran Wax <i>Hydrogenated Oryza Sativa (Rice) Bran Oil</i>	White to pale yellow solid flakes	65 – 80 °C	AV ≤ 10 IV 10-20 SV 70-90	Hard wax binder, excellent oil gelation. Ideal for sticks, balms, and hair styling.

Trade Name & INCI	Format / Color	Melting Point	Chemical Specs	Key Performance & Application
Plantfusion™ PF 2203 Sunflower Wax <i>Hydrogenated Helianthus Annuus Seed Oil</i>	White to off-white solid flakes	65 – 75 °C	AV ≤ 5 IV ≤ 5 SV 170-200	Strong structuring agent, high heat stability, non-crystallizing lipstick base.
Plantfusion™ PF 2205 Soya Wax <i>Hydrogenated Soybean Oil</i>	White to off-white solid flakes	65 – 75 °C	AV ≤ 5 IV ≤ 5 SV 170-200	Smooth payoff, reliable viscosity regulator, cost-effective plant wax.
Plantfusion™ PF 2207 Coconut Wax <i>Hydrogenated Cocos Nucifera Oil</i>	White semi-solid	40 – 50 °C	AV ≤ 5 IV ≤ 5 SV 225-285	Low-melting structurant for quick-break creams, soft balms, and hot pours.
Plantfusion™ PF 2209 Castor Wax <i>Hydrogenated Ricinus Communis Seed Oil</i>	White to off-white solid flakes	78 – 85 °C	AV ≤ 3 IV ≤ 5 SV 170-200	High-melting structurant: Maximum hardness and gloss in lipsticks and sticks.
Plantfusion™ PF 2211 Palm Wax <i>Hydrogenated Elaeis Guineensis Oil</i>	White to off-white solid flakes	60 – 70 °C	AV ≤ 2 IV ≤ 10 SV 190-205	Balanced hardness builder and emulsion stabilizer for body care and cosmetics.
Plantfusion™ PF 2213 Almond Wax <i>Hydrogenated Prunus Amygdalus Dulcis Oil</i>	White to creamish solid flakes	60 – 70 °C	AV ≤ 5 IV ≤ 10 SV 170-200	Silky sensory profile, moderate hardness, excellent for premium lip & skin care.
Plantfusion™ PF 2215 Olive Wax <i>Hydrogenated Olea Europaea Fruit Oil</i>	White to off-white solid flakes	70 – 90 °C	AV ≤ 3 IV ≤ 10 SV 175-200	High thermal resistance, biomimetic lipid structure, rich emollient payoff.

3. PETALFUSION™ RANGE — AROMATIC FLORAL WAXES

Natural floral oil infused wax flakes (65–75 °C MP) providing natural aroma, subtle color, and structural body to clean beauty products. (100% Natural Origin & Vegan | AV ≤ 2.0 | IV ≤ 5.0 | SV 170-200)

Trade Name	INCI Composition	Key Sensory & Ideal Formulations
Petalfusion™ Rose Wax (PEF 2261)	<i>Hydrogenated Soybean Oil, Rosa Damascena Oil</i>	Romantic rose aroma; ideal for premium lip balms, facial sticks, and wellness creams.
Petalfusion™ Rose Wax Low Cost New	<i>Hydrogenated Soybean Oil, Rosa Damascena Oil</i>	Cost-optimized romantic rose aroma for scalable clean beauty and mass-market balms.
Petalfusion™ Rose Geranium (PEF 2262)	<i>Hydrogenated Soybean Oil, Rosmarinus Officinalis / Geranium Oil</i>	Balancing herbaceous-floral profile; great for hair balms and calming body pomades.
Petalfusion™ Jasmine Wax (PEF 2263)	<i>Hydrogenated Soybean Oil, Jasminum Officinale Oil</i>	Exotic floral scent; designed for luxury night balms, aromatherapeutic solid perfumes.
Petalfusion™ Frangipani Wax (PEF 2264)	<i>Hydrogenated Soybean Oil, Plumeria Alba Flower Oil</i>	Tropical sweet note; perfect for body butter sticks and nourishing summer balms.
Petalfusion™ Lavender Wax (PEF 2265)	<i>Hydrogenated Soybean Oil, Lavandula Angustifolia Oil</i>	Soothing herbal notes; optimal for sleep balms, relaxing body salves, and skin care.
Petalfusion™ Sandalwood Wax New	<i>Hydrogenated Soybean Oil, Santalum Album Oil</i>	Warm woody aromatherapeutic scent; designed for luxury night balms, perfumes, and pomades.
Petalfusion™ Tuberose Wax (PEF 2266)	<i>Hydrogenated Soybean Oil, Polianthes Tuberosa Flower Oil</i>	Rich white floral scent; formulated for high-end cosmetics and sensory skin balms.
Petalfusion™ Lotus Wax (PEF 2267)	<i>Hydrogenated Soybean Oil, Nelumbo Nucifera Flower Oil</i>	Clean aquatic floral scent; tailored for purifying skin care, lip systems, and balms.
Petalfusion™ Vanilla Wax (PEF 2268)	<i>Hydrogenated Soybean Oil, Vanilla Planifolia Fruit Oil</i>	Warm gourmand fragrance; popular in lip glazes, cozy body care, and solid stick cosmetics.
Petalfusion™ Neroli Wax (PEF 2269)	<i>Hydrogenated Soybean Oil, Citrus Aurantium Amara Flower Oil</i>	Uplifting orange blossom scent; ideal for brightening balms and energizing creams.

4. SPECIALTY FUNCTIONAL BASES & NATURAL ALTERNATIVES

Targeted bio-based specialty ingredients engineered to directly replace beeswax, lanolin, petroleum jelly, palm derivatives, and color bases.

Trade Name & INCI	Appearance / MP	Key Functional Highlights	Formulation Role & Benchmarking
Vegabees™ <i>Hydrogenated Rice Bran Oil, Rice Bran Oil, Hydroxystearic Acid</i>	Pale yellow solid MP: 72 – 79 °C	100% Vegan beeswax replacement. Delivers rich cushion, thermal resistance, and structural binding without animal involvement.	Beeswax Alternative: Color cosmetics, lipsticks, protective facial balms, solid cosmetics.
Vegalin™ <i>Olive Fruit Oil, Castor Seed Oil, Glyceryl Oleate, Rosin Ester</i>	Yellow to amber thick liquid IV: 90 - 120 gI ₂ /100g	Plant-based lanolin replacement. Provides high gloss, heavy emolliency, hydrophilic film formation, and lip adhesion.	Lanolin Alternative: Lip glosses, lip balms, hair shine serums, cleansing oils, barrier creams.
Vegajellie™ 8			Petrolatum Alternative: Anhydrous skin salves, lip care, hair pomades, protective creams.

TRADE NAME & INCI	APPEARANCE / MP	KEY FUNCTIONAL HIGHLIGHTS	FORMULATION ROLE & BENCHMARKING
<i>Hydrogenated Olive, Castor, Coconut & Sunflower Oils</i>	White soft butter structure 100% Natural	Bio-based Petrolatum alternative. Mimics occlusivity, glide, and barrier protection of petroleum jelly without mineral oil.	
Vegabase™ 225 <i>Hydrogenated Sunflower, Rice Bran, Castor & Olive Oils</i>	Off-white to pale yellow solid MP: 65 – 75 °C	Multi-oil synergistic wax complex offering constant melting and clean label compatibility.	Universal Structurant: Cream-to-powder makeup, solid lotions, hair styling pastes.
Azafran Biosheer Zinc <i>Zinc Oxide, Caprylic/Capric Triglyceride, Polyhydroxystearic Acid</i>	Viscous dispersion ZnO Assay: 48 – 52%	High-transparency mineral UV dispersion. (>88% transmission at 550nm). Easy cold-process incorporation.	Mineral Sunscreen Active: Clean SPF facial lotions, daily broad spectrum moisturizers.
Palmfree Fusion New <i>Proprietary Botanical Lipid Blend</i>	Colorless to pale yellow viscous liquid	100% Palm-free structured emollient system. Balanced hardness builder and emulsion stabilizer without palm oil or derivatives.	Palm Oil Alternative: Sustainable body care, palm-free emulsions, clean cosmetics.
Colourfusion New <i>Botanical Pigment Matrix Formulation</i>	Coloured powder formulation	Pre-dispersed natural color matrix engineered for instant blending and uniform color development.	Color Cosmetics Base: Makeup formulations, face care tints, hair care coloring.

5. VEGAGUARD™ RANGE — MICROENCAPSULATED ACTIVES

Advanced liposomal & cyclodextrin microencapsulation technology that stabilizes sensitive actives against oxidation, light, and degradation while enabling water compatibility.

TRADE NAME & ACTIVE	INCI COMPOSITION	PHYSICAL SPECS & TECH	KEY FORMULATION ADVANTAGES
Vegaguard™ GSH <i>Encapsulated Glutathione</i> Assay: 98–100%	Aqua, Glutathione, Phospholipids, Propylene Glycol, Cyclodextrin, Glycerin, Ferulic Acid, Preservatives	Pale yellow liquid pH: 4.0 – 7.5 Density: 0.900 - 1.200 g/ml	Protects peptide bonds from degradation; improves bioavailability; powerful antioxidant & brightening active.
Vegaguard™ Resveratrol <i>Encapsulated Resveratrol</i> Assay: 98–100%	Aqua, Resveratrol, Phospholipids, Propylene Glycol, Cyclodextrin, Glycerin, Ferulic Acid, Preservatives	Orange-brown liquid pH: 4.0 – 7.5 Density: 0.900 - 1.200 g/ml	Prevents photo-degradation of Resveratrol; easily incorporates into water-based serums, toners, and gels.
Vegaguard™ Vitamin C <i>Encapsulated Ascorbyl Glucoside</i> Assay: 98–100%	Aqua, Ascorbyl Glucoside, Phospholipids, Propylene Glycol, Cyclodextrin, Glycerin, Ferulic Acid	Pale yellow-orange liquid pH: 5.0 – 6.5 Density: 0.900 - 1.200 g/ml	Release-on-demand: Prevents discoloration and formula oxidation; eliminates need for stabilizers.
Vegaguard™ Caffeine <i>Encapsulated Caffeine</i> Assay: 98–100%	Aqua, Caffeine, Phospholipids, Propylene Glycol, Cyclodextrin, Glycerin, Ferulic Acid, Preservatives	Pale yellow-orange liquid pH: 5.0 – 6.5 Density: 0.900 - 1.200 g/ml	Enables high caffeine loading without recrystallization; ideal for dark circle eye serums & body contouring.
Vegaguard™ Melanogrow New <i>Microalgae & Hydrolyzed Collagen Complex</i>	Aqua, Phospholipids, Pisum Sativum Sprout Extract, Chlorella Emersonii, Spirulina, Hydrolyzed Collagen, Oils (Argan, Avocado, Rosemary), Niacinamide	Cream opaque viscous liquid pH: 5.0 – 6.5 Density: 0.920-1.200 g/ml Viscosity: 4000–10000 cps	Blocks stress/cortisol triggers to halt shedding; penetrates hair fiber to restore moisture and purify scalp microbiome.
Vegaguard™ Retinal New <i>Encapsulated Retinaldehyde</i> Assay: 98–100%	Aqua, Propylene Glycol, Caprylic/Capric Triglyceride, Phospholipids, Glycerin, Retinal, Cyclodextrin, Tocopherol	Reddish to brownish viscous liquid pH: 5.0 – 6.5 Density: 0.920-1.200 g/ml Viscosity: 4000–10000 cps	Targeted wrinkle corrector & hyperpigmentation active with gentle release for sensitive skin rejuvenation.
Vegaguard™ Solar Cap Zn New <i>Encapsulated Mineral Complex</i> Assay: 98–100%	Calcium Carbonate, Zinc Oxide (USP Compliant)	White fine powder USP Compliant Material	Resists sweat/humidity, improves wear time, reduces migration in high-performance cosmetic & sun care formulas.

6. HYDROSOLS — ORGANIC FLORAL WATERS

Steam-distilled pure floral and botanical hydrosols designed to bring natural aroma, soothing benefits, and active water phases to cosmetic formulations.

TRADE NAME	INCI COMPOSITION	PHYSICAL SPECS	KEY BENEFITS & APPLICATION
Rose Hydrosol	<i>Rosa Damascena Flower, Aqua, Sodium Benzoate, Potassium Sorbate</i>	Colorless to pale yellow liquid pH: 4.0 – 7.0 Density: 0.995-1.00 g/ml	Soothing, toning, and hydrating benefits for delicate skin and hair formulas.
Jasmine Hydrosol	<i>Aqua, Jasminum Officinale Flower, Sodium Benzoate, Potassium Sorbate</i>	Clear colorless to pale yellow liquid pH: 3.0 – 6.5 Density: 0.995-1.00 g/ml	Calming aromatic floral water to revitalize and soothe tired skin.
Neroli Hydrosol	<i>Aqua, Citrus Aurantium Amara Flower, Sodium Benzoate, Potassium Sorbate</i>	Clear colorless liquid pH: 3.0 – 7.0 Density: 0.995-1.00 g/ml	Refreshing and balancing properties to tone and rejuvenate urban skin.
Saffron & Neroli Hydrosol	<i>Aqua, Crocus Sativus Flower, Organic Citrus Aurantium Flower Water, Preservatives</i>	Light brown clear liquid pH: 3.5 – 7.5 Density: 0.990-1.010 g/ml	Radiance-boosting saffron paired with orange blossom to brighten & hydrate.

TRADE NAME	INCI COMPOSITION	PHYSICAL SPECS	KEY BENEFITS & APPLICATION
Lavender Hydrosol	Aqua, Lavandula Angustifolia, Sodium Benzoate, Potassium Sorbate	Light brown clear liquid pH: 3.0 – 6.5 Density: 0.995-1.00 g/ml	Calming and balancing properties; reduces redness and promotes scalp wellness.
Rosemary Hydrosol	Aqua, Rosmarinus Officinalis, Sodium Benzoate, Potassium Sorbate	Light brown clear liquid pH: 3.5 – 7.5 Density: 0.995-1.00 g/ml	Stimulates scalp microcirculation, balances sebum levels, and revitalizes skin.
Aloe Vera Hydrosol	Aqua, Aloe Barbadensis Leaf, Sodium Benzoate, Potassium Sorbate	Clear colorless to slightly cloudy pH: 3.5 – 7.0 Density: 0.995-1.00 g/ml	Deeply hydrating and cooling; repairs barrier and supports moisture balance.

AZAFRAN WAX WORKS

Product & Technical Support: Contact your account representative or sales desk.
Website: www.azafranwaxworks.com | **Email:** info@azafranwaxworks.com
Range Focus: Natural Plant Waxes • Botanical Butters • Vegan Alternatives • Encapsulated Actives • Organic Hydrosols

Disclaimer: The technical data provided herein is for informational and formulation guidance only. Formulators should conduct their own stability and compatibility testing for final commercial product development.