

Oral Film Portfolio & Development Guide

52 nutritional concepts, six energy families, flavor directions and packaging decisions.



All entries are development briefs, not finished-product specifications or instructions for personal use. Ingredient identity, target loading, feasibility, analytical methods, intended audience, claims and destination-market eligibility must be reviewed for the actual project. Physical dissolution does not establish rapid absorption or improved bioavailability.

Edition: 2026. Adapted from company-supplied source material. Packaging and product images are illustrative development concepts, not documentary proof of commercial batches. Film colors are ingredient-informed illustrations; confirm the finished shade through approved formulation and physical samples.

OEM / ODM / CRO / CDMO | www.EnergyOralStrips.com | info@linkbiolabs.com

A brief that can become a specification

Hytanbio Tech supports formulation feasibility, prototype sampling, flavor and packaging development, commercial manufacturing handovers, batch-document planning and export coordination. All listed oral-film types can be discussed through OEM, ODM, CRO or CDMO, subject to a written scope.

Reference caffeine formula	40 mg caffeine + 40 mg L-theanine + 2.4 mcg vitamin B12 per film
Minimum order / flavor	2,000 boxes x 30 films = 60,000 films
Sample development	USD 200 / SKU; creditable against a later commercial order under agreed terms
Planning lead times	7 working days for sampling; approximately 3 weeks of production after formulation and packaging approval. Shipping is additional.
Custom packaging	Printed individual sachets and retail cartons. Vegan formulation can be assessed; request current, scope-relevant Halal documentation.
External costs	Testing, certification, registration, freight and third-party work are paid by the customer as agreed.

These commercial terms refer to the user-confirmed caffeine project and do not automatically apply to every catalog or research concept.

Classic Energy Strips



Caffeine and B-vitamin directions for adult energy brands. Start with total caffeine and a realistic film-loading brief.

Classic 40 mg caffeine	Caffeine
50 mg caffeine target	Caffeine
100 mg caffeine feasibility	Caffeine
150 mg caffeine feasibility	Caffeine
Caffeine + B-complex	Caffeine, B vitamins
Caffeine + taurine	Caffeine, taurine

Each row is a configurable direction. Agree ingredient identity and amount, film loading, taste, color, stability, primary packaging, testing and market wording before quotation or artwork approval.

Natural Botanical Strips



Guarana, tea, coffee and ginseng directions with extract standardization and total caffeine review.

Guarana botanical	Guarana extract
Green coffee extract	Green coffee extract
Green tea energy	Green tea extract
Red ginseng vitality	Red ginseng extract
American ginseng blend	American ginseng extract
Botanical caffeine blend	Guarana, green tea, B vitamins

Each row is a configurable direction. Agree ingredient identity and amount, film loading, taste, color, stability, primary packaging, testing and market wording before quotation or artwork approval.

Focus & Nootropic Strips



Caffeine and L-theanine briefs with sensory, compatibility and market-positioning work.

Balanced 40 / 40 / B12	40 mg caffeine, 40 mg L-theanine, 2.4 mcg vitamin B12
Low-caffeine focus	Caffeine, L-theanine
Caffeine + L-theanine	Caffeine, L-theanine
Theanine-led development	L-theanine
Tea + theanine focus	Green tea extract, L-theanine
Workday mint focus	Caffeine, L-theanine, vitamin B12

Each row is a configurable direction. Agree ingredient identity and amount, film loading, taste, color, stability, primary packaging, testing and market wording before quotation or artwork approval.

Vitamin Energy Strips



B12 and B-complex directions, optionally combined with caffeine after adult-market review.

B12 daily energy	Vitamin B12
B-complex film	Vitamins B1, B2, B6
Caffeine + B12	Caffeine, vitamin B12
Caffeine + B-complex	Caffeine, B-complex
B2 cellular energy	Vitamin B2
Vitamin + mineral feasibility	B vitamins, selected minerals

Each row is a configurable direction. Agree ingredient identity and amount, film loading, taste, color, stability, primary packaging, testing and market wording before quotation or artwork approval.

Sports Performance Strips



Sports nutrition film concepts focused on payload feasibility and appropriate serving-format decisions.

Pre-workout caffeine	Caffeine
Caffeine + theanine sport	Caffeine, L-theanine
Taurine energy	Caffeine, taurine
Electrolyte concept	Sodium, potassium, magnesium
L-carnitine concept	L-carnitine
Amino-acid feasibility	Essential amino acids

Each row is a configurable direction. Agree ingredient identity and amount, film loading, taste, color, stability, primary packaging, testing and market wording before quotation or artwork approval.

Coffee Flavor Strips



Coffee-inspired flavors and custom caffeine directions in a compact single-film format.

Classic roast coffee	Coffee flavor, caffeine
Mocha-inspired film	Coffee and cocoa flavor, caffeine
Vanilla coffee	Coffee and vanilla flavor, caffeine
Coffee + theanine	Coffee flavor, caffeine, L-theanine
Coffee + B12	Coffee flavor, caffeine, vitamin B12
Decaf-inspired flavor	Coffee flavor; caffeine-free brief subject to verification

Each row is a configurable direction. Agree ingredient identity and amount, film loading, taste, color, stability, primary packaging, testing and market wording before quotation or artwork approval.

Nutritional concept briefs



A1 / Collagen skin firmness

Ingredients: Collagen peptides, vitamin C, zinc

Collagen is often associated with a much larger ingredient serving than a small film can carry. Define the collagen peptide grade, intended amount and role of vitamin C and zinc. Assess whether the proposed unit count and film size can support a meaningful brief before using skin-firmness positioning. Raw-material identity and a catalog benefit statement do not establish a finished-product effect.

Source: Hytan Product Catalog 2026, page 10. Positioning: Skin-focused nutrition.



A2 / Hyaluronic acid hydration

Ingredients: Hyaluronic acid, vitamin C

Specify the hyaluronic acid form, molecular-weight range and intended loading. These choices can affect hydration, viscosity and behavior in the casting mixture. Review the vitamin C form and the resulting sensory and film properties. A clear-looking prototype is not a substitute for an agreed assay or evidence supporting a hydration claim.

Source: Hytan Product Catalog 2026, page 10. Positioning: Skin hydration concept.



A3 / Antioxidant skin radiance

Ingredients: Glutathione, vitamin C

Define the glutathione identity and form, the vitamin C source and the analytical targets. Evaluate recovery from the film matrix and changes during processing and storage. Skin-radiance positioning in the source is an intended concept, not proof of skin brightening or a clinical outcome for the finished film.

Source: Hytan Product Catalog 2026, page 10. Positioning: Antioxidant and skin positioning.

Nutritional concept briefs



A4 / Carnosine healthy aging

Ingredients: Carnosine, grape seed extract (OPCs)

The carnosine and grape-seed-extract brief needs more than two ingredient names. Specify extract standardization, marker compounds, total solids, taste and natural color variation. Polyphenol-containing materials can make a pale tan direction plausible, but the actual film shade and stability depend on the selected grade and loading. Glycation-related wording requires separate evidence and market review.

Source: Hytan Product Catalog 2026, page 10. Positioning: Glycation-related concept review.



A5 / CoQ10 cellular energy

Ingredients: CoQ10, vitamin B2

CoQ10 and riboflavin introduce different formulation and analytical questions. Define the CoQ10 form and dispersion strategy, the vitamin B2 target and protection from relevant environmental exposure. A naturally pale yellow or golden concept can be plausible, but the actual amount, distribution, stability and permitted cellular-energy wording require confirmation.

Source: Hytan Product Catalog 2026, page 11. Positioning: Cellular energy positioning.



A6 / Ergothioneine antioxidant

Ingredients: Ergothioneine, vitamin C

Agree the ergothioneine identity, grade, supplier evidence, target amount and market eligibility before sampling. Review vitamin C compatibility, analytical recovery and stability in the chosen film and sachet. An antioxidant ingredient description does not validate a cellular-protection or healthy-aging claim for the finished product.

Source: Hytan Product Catalog 2026, page 11. Positioning: Antioxidant positioning.

Nutritional concept briefs



A7 / Menstrual comfort

Ingredients: Magnesium, vitamin B6

For magnesium and B6, distinguish the magnesium compound mass from elemental magnesium and specify the vitamin form. Mineral loading can change taste, handling and the practical serving count. The source menstrual-comfort positioning requires a separate suitability and claims review rather than being inherited from a generic mineral formulation.

Source: Hytan Product Catalog 2026, page 11. Positioning: Women's wellness development.



A8 / Menopause wellness

Ingredients: Soy isoflavones, calcium, vitamin D

Define the soy-isoflavone profile and source, allergen considerations, calcium compound, vitamin D form and amount of each. A three-ingredient life-stage brief can create both payload and analytical challenges. Review the intended audience and menopause-related wording with qualified product and market specialists before treating the concept as a commercial specification.

Source: Hytan Product Catalog 2026, page 11. Positioning: Women's life-stage nutrition.



B1 / Vitamin C nutrition

Ingredients: Vitamin C

Vitamin C identity and amount should be agreed along with the film matrix and target mouthfeel. Assess the actual ingredient form, acidity, processing exposure, analytical recovery and package configuration. The presence of vitamin C does not establish that every immune, antioxidant or collagen-related source statement may be used for the final formula.

Source: Hytan Product Catalog 2026, page 13. Positioning: Daily vitamin nutrition.

Nutritional concept briefs



B2 / Vitamin C + zinc

Ingredients: Vitamin C, zinc

Specify the vitamin C form and the zinc compound, including the distinction between zinc salt mass and elemental zinc. Review acidity, metallic taste, total loading and the analytical plan. The same ingredient pair appears in source concept D1; those catalog positions do not by themselves establish different final formulas or proven outcomes.

Source: Hyton Product Catalog 2026, page 13. Positioning: Vitamin and mineral nutrition.



B3 / Vitamin D3 + calcium

Ingredients: Vitamin D3, calcium

Vitamin D3 is commonly discussed at a very different scale from calcium. State the vitamin potency and analytical target separately from the calcium compound and elemental calcium amount. Confirm whether the small-film format can carry the intended mineral payload and whether the final pack and unit count fit the brief.

Source: Hyton Product Catalog 2026, page 13. Positioning: Bone nutrition concept.



B4 / Vitamin D3 + K2

Ingredients: Vitamin D3, vitamin K2 (MK-7)

Confirm the vitamin D3 form and the K2 ingredient identity, including the intended MK-7 specification. Define potency, reference standards, active distribution and stability work for the actual film matrix. A bone-nutrition concept title should not replace formula- and market-specific review of the claims.

Source: Hyton Product Catalog 2026, page 13. Positioning: Vitamin combination development.

Nutritional concept briefs



B5 / Vitamin B12 energy nutrition

Ingredients: Vitamin B12

Specify the B12 form, raw-material potency and microgram target per film. Agree the preparation, distribution and assay strategy before judging a prototype by appearance. B12 raw material is strongly colored, but low inclusion, carriers and film thickness can make the finished shade very subtle. Do not infer content from color alone.

Source: Hytan Product Catalog 2026, page 14. Positioning: B12-focused daily nutrition.



B6 / B-complex daily energy

Ingredients: Vitamins B1, B2, B6

The source identifies B1, B2 and B6 for this brief. Confirm each form and target rather than assuming a standard all-B-vitamin mixture. Multiple assays and different stability considerations may be needed. Riboflavin can contribute a natural yellow direction; final color and content remain properties of the actual formulation.

Source: Hytan Product Catalog 2026, page 14. Positioning: B-vitamin nutrition.



B7 / DHA brain nutrition

Ingredients: DHA

Specify whether DHA comes from fish, algae or another defined source, along with its potency, carrier, oxidation criteria and sensory requirements. A lipid-containing ingredient needs a suitable dispersion and recovery approach. The source also lists DHA as C6; the two positions are concepts rather than evidence of different finished effects.

Source: Hytan Product Catalog 2026, page 14. Positioning: Lipid-based nutrition concept.

Nutritional concept briefs



B8 / Biotin hair skin & nails

Ingredients: Biotin, zinc

Biotin and zinc require their own target amounts and methods. Low-dose biotin and a mineral compound should not be treated as one uniform analytical problem. Check distribution, mineral taste, film handling and the evidence needed for hair, skin and nail wording in the destination market.

Source: Hytan Product Catalog 2026, page 14. Positioning: Beauty nutrition concept.



C1 / Melatonin sleep

Ingredients: Melatonin

Confirm melatonin identity, amount and the intended adult-market route before formulation work. Ingredient status and labeling vary by country, so an oral film format does not establish a supplement classification. Keep physical dissolution and any sleep-onset claim separate; taste or handling approval is not clinical evidence.

Source: Hytan Product Catalog 2026, page 16. Positioning: Adult sleep-related concept.



C2 / Melatonin + magnesium

Ingredients: Melatonin, magnesium

The melatonin and magnesium combination brings low-dose active distribution and potentially higher mineral loading into one film. Define the magnesium form, elemental amount, melatonin target and analytical approach separately. Agree the serving concept and suitability review before making sleep-quality or relaxation claims.

Source: Hytan Product Catalog 2026, page 16. Positioning: Adult nighttime formula development.

Nutritional concept briefs



C3 / L-theanine calm & focus

Ingredients: L-theanine

Define L-theanine identity, grade and target amount, then test its behavior in the selected matrix and flavor system. A calm-and-focus brief is a positioning objective. It does not establish stress relief, an individual response or a universal outcome for every amount or formulation.

Source: Hytan Product Catalog 2026, page 16. Positioning: Theanine-led positioning.



C4 / Focus & study

Ingredients: L-theanine, caffeine

For a caffeine and L-theanine focus brief, define both analytical targets and the total caffeine serving. Assess loading, bitterness, active distribution and the intended adult audience. This ingredient pair also appears in sports concept F2; the source positions are not evidence of separate proven effects.

Source: Hytan Product Catalog 2026, page 16. Positioning: Adult focus-oriented concept.



C5 / Magnesium relaxation

Ingredients: Magnesium

Choose the magnesium compound and distinguish its mass from elemental magnesium. Solubility, moisture behavior, taste and practical payload can differ by grade. Similar magnesium-only source concepts appear under D6 and F6. Review the intended claim and serving rather than assuming the catalog heading establishes a distinct finished formula.

Source: Hytan Product Catalog 2026, page 17. Positioning: Mineral-based nutrition.

Nutritional concept briefs



C6 / DHA cognitive nutrition

Ingredients: DHA

The DHA source, potency, carrier and oxidation specification need agreement. Review dispersion, odor, analytical recovery and primary-pack protection in the actual film. Cognitive or memory-oriented source language is not validated by using the same ingredient listed in the basic-nutrition concept B7.

Source: Hytan Product Catalog 2026, page 17. Positioning: Brain nutrition positioning.



C7 / B-complex mental energy

Ingredients: B-complex vitamins

A B-complex description does not define which vitamins or forms are included. Request the full composition, per-film targets, suitable assays and stability plan. The final formula may differ from B6, which explicitly identifies B1, B2 and B6. Do not assume a finished energy claim from the broad source category.

Source: Hytan Product Catalog 2026, page 17. Positioning: B-vitamin daily nutrition.



C8 / Caffeine focus & alertness

Ingredients: Caffeine

Define caffeine identity and amount per film and per serving, including any other caffeine sources. Review bitterness, practical loading, distribution, adult-market warnings and final labeling. Focus and alertness positioning should be considered against the actual product and applicable evidence, not the film format alone.

Source: Hytan Product Catalog 2026, page 17. Positioning: Adult caffeine concept.

Nutritional concept briefs



D1 / Vitamin C + zinc immune nutrition

Ingredients: Vitamin C, zinc

This source entry uses the same vitamin C and zinc ingredient direction as B2. Define the actual forms, zinc basis, amounts and analytical targets before treating them as separate products. The immune category is a source positioning context; final wording must follow the formula and destination review.

Source: Hytan Product Catalog 2026, page 19. Positioning: Immune nutrition positioning.



D2 / Beta-glucan nutrition

Ingredients: Beta-glucan

Beta-glucan requires a defined biological source, grade, purity and relevant specification. Its behavior in a film matrix can depend on the material and processing. Review loading, viscosity, handling and testing before using an immune-function concept description as a product claim.

Source: Hytan Product Catalog 2026, page 19. Positioning: Beta-glucan development.



D3 / Curcumin joint & antioxidant

Ingredients: Curcumin

Curcumin can introduce a naturally yellow direction as well as dispersion, taste and analytical questions. Define the curcuminoid specification and grade, then assess distribution and recovery from the actual matrix. Joint and inflammatory-response source objectives require their own evidence and permitted wording review.

Source: Hytan Product Catalog 2026, page 19. Positioning: Joint and antioxidant positioning.

Nutritional concept briefs



D4 / CoQ10 heart & cellular energy

Ingredients: CoQ10

Specify the CoQ10 form, target amount, dispersion approach and assay method. Review protection from relevant exposure and stability in the final primary pack. This entry differs from A5, which also lists B2, but neither source title establishes a finished cardiovascular or cellular-energy benefit.

Source: Hytan Product Catalog 2026, page 19. Positioning: Cardiovascular nutrition concept.



D5 / Omega-3 cardiovascular

Ingredients: EPA / DHA

Define EPA and DHA identity, ratio, potency, source and carrier. Review oxidation, odor, dispersion and the actual active amount that can be delivered in the proposed film. A small oral film should not be assumed to carry a conventional oil serving or inherit cardiovascular claims without suitable review.

Source: Hytan Product Catalog 2026, page 20. Positioning: Lipid nutrition concept.



D6 / Magnesium cardiovascular

Ingredients: Magnesium

The magnesium compound and elemental amount must be explicit. Compare practical loading, taste, film handling and the serving concept before selecting a cardiovascular-positioned brief. Similar magnesium-only entries exist in C5 and F6; source category names do not establish distinct physiological effects.

Source: Hytan Product Catalog 2026, page 20. Positioning: Mineral nutrition positioning.

Nutritional concept briefs



D7 / Allicin cardiovascular wellness

Ingredients: Allicin

Clarify whether the material is allicin, a standardized garlic-derived ingredient or a stabilized preparation. These descriptions are not automatically equivalent. Review identity, marker specifications, odor, processing exposure and stability before evaluating a film or using the source blood-lipid language.

Source: Hytan Product Catalog 2026, page 20. Positioning: Botanical ingredient development.



D8 / Silymarin liver wellness

Ingredients: Silymarin

Define the silymarin material, source and marker profile, then assess dispersion, flavor, natural color and analytical recovery. The source liver-wellness positioning is a discussion objective. It is not evidence that the finished film detoxifies the body, treats disease or is eligible for every market.

Source: Hytan Product Catalog 2026, page 20. Positioning: Liver wellness positioning.



D9 / Red ginseng

Ingredients: Red ginseng extract

A red-ginseng brief should identify the botanical species, part used, processing and marker specifications. Review caffeine separately if any other ingredients are added; the ginseng name alone does not define total stimulant content. Taste, natural extract color and loading are evaluated with the actual supplier material.

Source: Hytan Product Catalog 2026, page 21. Positioning: Botanical vitality concept.

Nutritional concept briefs



D10 / American ginseng

Ingredients: American ginseng extract

Identify the American-ginseng species, plant part, extract process and standardization rather than assuming equivalence to another ginseng. Review supplier documents, natural color, sensory profile and matrix behavior. Source vitality and immune positioning need a final formula and claim review.

Source: Hytan Product Catalog 2026, page 21. Positioning: Botanical daily wellness.



D11 / Ginseng

Ingredients: Ginseng extract

The general ginseng entry needs a more precise raw-material identity. Confirm species, plant part, process, marker compounds and intended amount. Keep it distinct from red-processed or American-ginseng source briefs until the actual ingredients are defined; do not infer interchangeable performance.

Source: Hytan Product Catalog 2026, page 21. Positioning: Botanical energy positioning.



D12 / Pueraria & Hovenia wellness

Ingredients: Pueraria extract, Hovenia dulcis extract, curcumin

Define each Pueraria and Hovenia ingredient, extract standardization and the curcumin material. Assess combined solids, taste, natural color and analytical targets. The source uses hangover-relief and liver-detox language; the site treats those as claims requiring review, not as established outcomes of this film.

Source: Hytan Product Catalog 2026, page 21. Positioning: Source hangover and liver-wellness concept; claims require separate review.

Nutritional concept briefs



E1 / Children's D3 + calcium

Ingredients: Vitamin D3, calcium

Specify the intended pediatric population, vitamin D3 potency, calcium compound and proposed amounts through specialist assessment. Consider mineral payload, handling, labeling and the evidence for the chosen audience. This catalog record does not establish suitability for a child or provide a dose recommendation.

Source: Hytan Product Catalog 2026, page 23. Positioning: Pediatric nutrition development only.



E2 / Children's DHA

Ingredients: DHA

Pediatric DHA development requires a defined source, carrier, potency and specialist suitability review. Consider oxidation, flavor, packaging and how the final product would be handled under appropriate directions. No brain-development outcome or individual suitability is established by this source concept.

Source: Hytan Product Catalog 2026, page 23. Positioning: Pediatric lipid nutrition development.



E3 / Children's vitamin C

Ingredients: Vitamin C

A children's vitamin C brief requires defined age suitability, ingredient form, intended amount, labeling and use conditions reviewed by qualified specialists. Do not copy an adult energy or vitamin film specification. The page is for business development and gives no personal pediatric directions.

Source: Hytan Product Catalog 2026, page 23. Positioning: Pediatric vitamin nutrition development.

Nutritional concept briefs



E4 / Children's zinc

Ingredients: Zinc

Identify the zinc compound and elemental amount along with the intended pediatric population. Review loading, taste, handling and the final serving approach with qualified specialists. A growth-related source description is not a recommendation or proof of a finished-product result.

Source: Hytan Product Catalog 2026, page 23. Positioning: Pediatric mineral nutrition development.



E5 / Children's multivitamin

Ingredients: Multivitamins

List every vitamin and any mineral, its form and the proposed target for the intended pediatric population. A generic multivitamin name cannot establish the formula. Review payload, multiple analytical targets, stability, use conditions and claims before any child-facing artwork is approved.

Source: Hytan Product Catalog 2026, page 24. Positioning: Pediatric multinutrient development.



E6 / Prenatal folic acid

Ingredients: Folic acid

Clarify that the source brief specifies folic acid and do not substitute another folate form without a reviewed change. The intended prenatal audience, amount, labeling and suitability need specialist assessment. Natural raw-material color does not establish finished-film content or an appropriate serving.

Source: Hytan Product Catalog 2026, page 24. Positioning: Prenatal nutrition development.

Nutritional concept briefs



E7 / Prenatal iron + vitamin C

Ingredients: Iron, vitamin C

Identify the iron compound, elemental iron target and vitamin C form. Different iron preparations can affect taste, color, process behavior and analysis. Prenatal suitability and the final amount require qualified review; the source record is not a personal supplementation recommendation.

Source: Hytan Product Catalog 2026, page 24. Positioning: Prenatal mineral and vitamin development.



E8 / Senior multivitamin

Ingredients: Multivitamins

Define the complete vitamin and mineral list and the intended older-adult population. Review individual ingredient forms, amounts, payload, handling and any relevant suitability questions with qualified specialists. A senior multivitamin title is not a fixed formula or evidence of an aging-related outcome.

Source: Hytan Product Catalog 2026, page 24. Positioning: Older-adult nutrition development.



F1 / Caffeine performance

Ingredients: Caffeine

Specify the caffeine target per film and serving, all caffeine sources and adult sports positioning. Review loading, taste, distribution and market labeling. This source entry does not establish banned-substance screening, sports certification, endurance improvement or suitability for an individual athlete.

Source: Hytan Product Catalog 2026, page 26. Positioning: Adult sports energy positioning.

Nutritional concept briefs



F2 / Caffeine + L-theanine sport

Ingredients: Caffeine, L-theanine

Define caffeine and L-theanine amounts separately and review total caffeine, taste, loading and distribution. The same ingredient pair appears in C4 as a focus-and-study concept. Sports positioning adds audience and claim questions; it does not by itself establish an endurance effect or sport certification.

Source: Hytan Product Catalog 2026, page 26. Positioning: Adult sports focus positioning.



F3 / Electrolyte hydration

Ingredients: Sodium, potassium, magnesium

Specify each electrolyte compound and its elemental contribution. The proposed serving must be evaluated against the practical capacity of a thin film. Do not imply that a small unit replaces an ordinary hydration serving or provides a meaningful electrolyte amount before the brief is technically assessed.

Source: Hytan Product Catalog 2026, page 26. Positioning: Electrolyte film feasibility.



F4 / Creatine performance

Ingredients: Creatine

Start by comparing the desired creatine amount with practical film loading. High solids can affect casting, flexibility, mouthfeel and unit count. A feasibility conclusion may favor a different delivery format. The source concept does not establish a gram-scale creatine serving or a proven performance result in one strip.

Source: Hytan Product Catalog 2026, page 26. Positioning: High-payload feasibility project.

Nutritional concept briefs



F5 / EAA recovery

Ingredients: Essential amino acids (EAA)

Define which essential amino acids are included, their identities, ratios and target amounts. Total solids, taste and the practical serving are central questions. Do not infer a meaningful recovery serving or protein-related effect merely because EAA appears in the catalog.

Source: Hytan Product Catalog 2026, page 27. Positioning: Amino-acid film feasibility.



F6 / Magnesium muscle function

Ingredients: Magnesium

Specify magnesium compound mass and elemental magnesium separately, then assess loading, taste and handling. The intended sports context needs its own claim and serving review. The magnesium-only source entries C5 and D6 are related starting directions, not proof of different finished effects.

Source: Hytan Product Catalog 2026, page 27. Positioning: Sports mineral nutrition.



F7 / L-carnitine energy metabolism

Ingredients: L-carnitine

Confirm whether the brief uses L-carnitine base, a salt or another defined preparation, and state the active-equivalent basis. Review moisture behavior, taste, matrix compatibility and the practical loading. Energy-metabolism source wording is a positioning objective rather than a validated outcome for the film.

Source: Hytan Product Catalog 2026, page 27. Positioning: Sports nutrition development.

Nutritional concept briefs



F8 / BCAA recovery

Ingredients: Branched-chain amino acids (BCAA)

Define the branched-chain amino acids and ratio instead of assuming a standard blend. Assess total loading, taste, unit count and analytical targets. A thin-film prototype does not establish a conventional amino-acid serving or a post-exercise recovery benefit.

Source: Hytan Product Catalog 2026, page 27. Positioning: Amino-acid film feasibility.

80 source flavor entries

The source lists 20 composite, 20 mint/cooling and 40 fruit entries. Repeated and informal or brand-like labels are retained as source references, not as licensed brands or final specifications. Custom profiles can be developed without third-party trademarks.

Composite profiles

Blueberry Sour Raspberry / Lemon Mango / Gusher / Bubblegum / Rocket Pop / Jolly Rancher / Strawberry Watermelon / Raspberry Lemon / Acai Strawberry / Cherry Lemon / Orange Mango Watermelon / Strawberry Peach Mint / Strawberry Kiwi / Lemon Lime / Blueberry Lemon Mint / Watermelon Strawberry Mint / Peach Pineapple Mint / Raspberry Lemonade Mint / Mango Strawberry Mint / Pineapple Coconut

Mint and cooling profiles

Cool Mint / Wintergreen / Spearmint / Freeze / Vanilla / Spicy Mint / Chloro Mint / Fresh Mint / Menthol / Crystal Mint / Ice Cool / Mint / Peppermint / Polar Mint / Chloro Mint / Gum Mint / Arctic Mint / Liquorice / Arctic Mint / Strong Mint

Fruit profiles

Citrus Chill / Tropic Breeze / Ruby Berry / Apple / Coconut / Grape / Honey & Cranberry / Mango / Cherry / Red Fruits / Blueberry / Cantaloupe / Peach / Lemon / Strawberry / Watermelon Ice / Pineapple / Lemon Ice / Lychee Ice / Strawberry / Banana / Watermelon Ice / Cherry Ice / Juicy Peach / Vitality Lychee / Sunshine Orange / Ice Blueberry / Iced Lemon / Ossiante Pineapple / Crystal Peach / Peach Ice / Straw-Melon / Pop Berry Mint / Triple Berry / Honeycrisp Apple / Black Cherry / Raspberry / Passion Fruit / Dragon Fruit / Citrus

Flavor and color are separate decisions

Caffeine bitterness, botanical taste, acidity, mineral notes, sweetness, cooling and mouthfeel need sample evaluation. A coffee flavor does not automatically make a film brown; a fruit name does not imply food coloring. Agree any permitted colorant explicitly. Natural ingredient shade can vary by form, grade, carrier, loading and processing.

Packaging and quality handover

Magnetic flip box	10-20 films; 52 x 71 x 12 mm. Premium sample presentation, magnetic closure and controlled opening.
Vertical slide box	10-20 films; 58 x 78 x 13 mm. Compact retail format for health stores, pharmacies and daily-use packs.
Portable sleeve	3-7 films; 63 x 93 x 2 or 63 x 108 x 2 mm. Lightweight trial, trade-show and travel presentation.
Horizontal slide box	20-30 films; 64 x 94 x 17 (20); 64 x 94 x 21 (30) mm. Larger print area for premium retail and a higher pack count.
Side-open box	10-30 films; 64 x 100 x 14 (10-20); 64 x 100 x 18 (20-30) mm. Accessible side opening for medium and larger film formats.
Hanging box	20-30 films; 64 x 120 x 18 mm. Integrated hang tab for retail peg displays.

Film formats in the source: 20 x 20 mm with below-10-mg payload reference and 50 x 70 mm sachet; 27 x 30 mm with below-50-mg reference and 45 x 85 mm sachet; 27 x 40 mm with below-150-mg reference and 45 x 85 mm sachet. These classes are design references, not safe-dose or universal-capacity claims.

Agree material identity, active assay and distribution, physical properties, moisture and seal performance, microbiological criteria where relevant, stability protocol, batch traceability, release documents, artwork and change control. Do not adopt a shelf-life, absorption percentage or efficacy statement without product-specific evidence.

Company profile and qualification

Company-supplied profile: Hytanbio Tech was founded in Hong Kong in 2026, with its main Shaoxing manufacturing base commissioned in 2014. A 4,000+ square-meter R&D center and more than 40 masters- and doctoral-level researchers support the broader platform. Site-, product- and certificate-scope evidence is reviewed during qualification. Microneedle capacity and ISO 13485 statements are not oral-film capacity or certification claims. FDA registration is not product approval.

Further reading: www.energyoralstrips.com/resources/ | Packaging guide: </packaging/> | Quality: </quality-documentation/>