MYONIQ Evidence-Aligned Formulation Decision Framework

A public illustrative example demonstrating systematic application of evidence-based ingredient evaluation and formulation structure assessment in performance nutrition development.

Purpose and Operational Context

This document provides a transparent illustration of how the MYONIQ Evidence-Aligned Formulation Decision Framework functions as an operational decision system in practice. The framework is applied to evaluate formulation structure and ingredient inclusion decisions prior to product finalization.

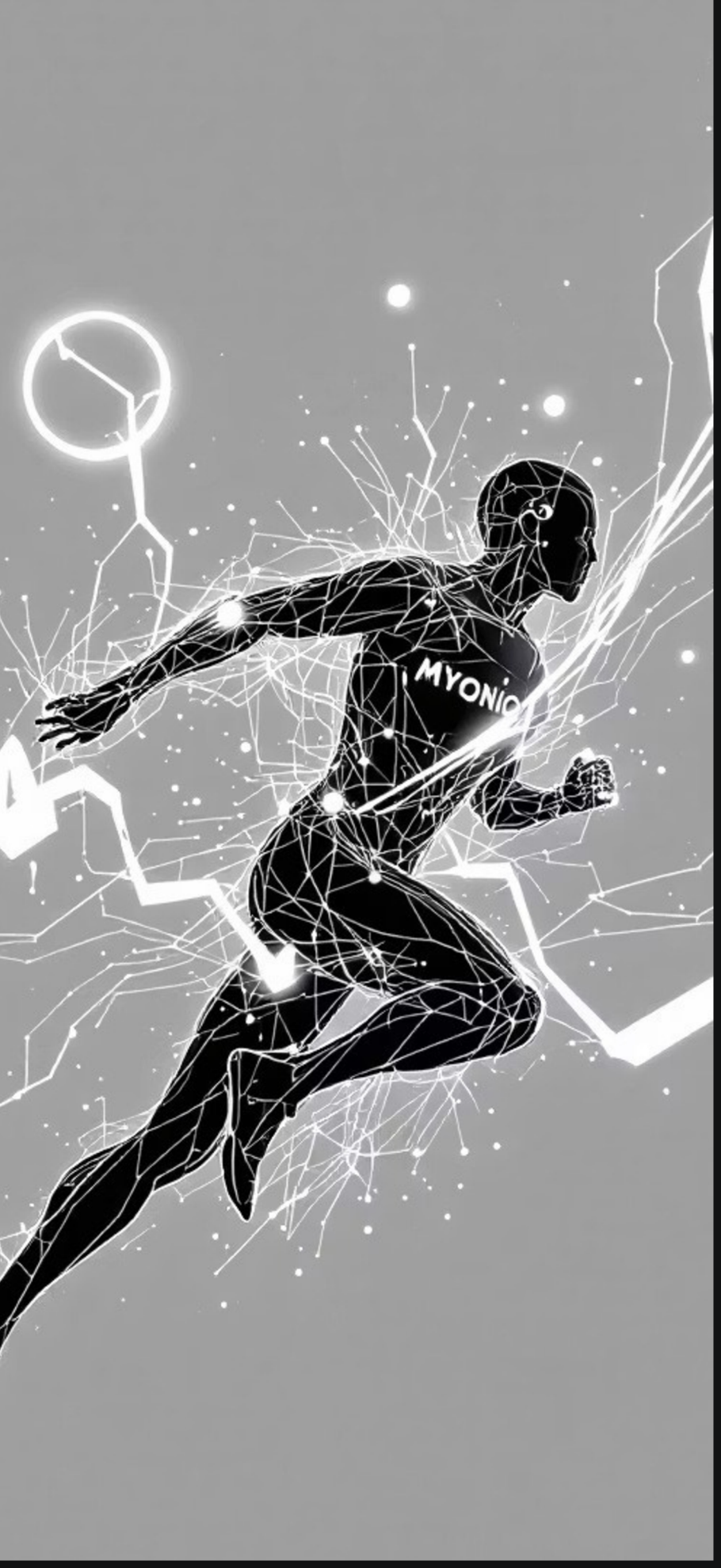
The objective is to demonstrate systematic methodology rather than promote specific products or performance claims. This approach ensures that ingredient selection, dosing logic, and functional purpose align with published scientific evidence and transparent disclosure standards throughout the development process.

Framework Details

- Version: v1.0
- Published: November 2025
- Company: MYONIQ LLC (USA)
- Application: Performance Nutrition

What is new about this framework?

- A repeatable, step-based decision system for formulation design & evaluation
- A formal exclusion standard (not common in marketing-driven formulation)
- Enforces “no proprietary blends” + full dosing disclosure as a methodology requirement
- Designed for third-party evaluability (practitioner/retail buyer)



Evaluation Context and Category Focus

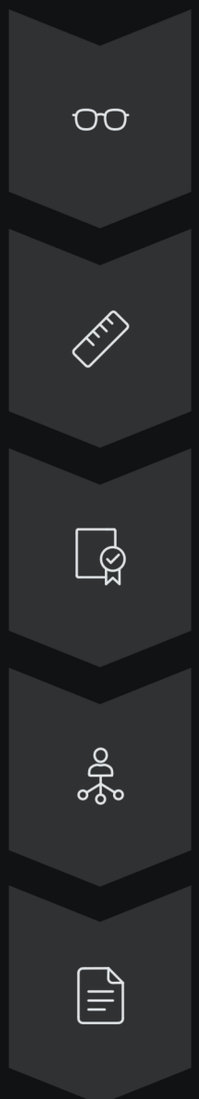
Category
Hydration & Electrolyte Support

Use Case
Evaluation of ingredient inclusion and dosing structure for hydration-focused performance formulation

Application Timing
Framework applied prior to formulation finalization to ensure evidence alignment

The framework is systematically applied to ensure that every formulation decision - from ingredient selection through final dosing structure - maintains rigorous alignment with published scientific literature and transparent disclosure standards required for professional evaluation.

Five-Step Framework Application Process



Evidence Review
Evaluate credible scientific support

Dosage Identification
Identify effective ranges from literature

Functional Validation
Confirm specific physiological roles

Interaction Review
Assess overlap and complexity

Transparency Confirmation
Ensure complete disclosure

This systematic five-step process ensures comprehensive evaluation of every formulation component, from initial evidence assessment through final transparency verification, creating a rigorous pathway for evidence-aligned product development.

Step 1: Evidence Availability Review

Evaluation Criteria

Each candidate ingredient undergoes evaluation for the presence of credible, reproducible scientific evidence supporting its intended physiological role, such as hydration support or electrolyte balance maintenance.

Ingredients lacking sufficient peer-reviewed evidence are excluded immediately at this stage. Only ingredients with established research support relevant to the specific functional category proceed to the subsequent dosage evaluation phase.

Outcome

Only ingredients with established evidence relevant to hydration or electrolyte function advance to dosage evaluation

Step 2 & 3: Dosage and Functional Validation

Step 2: Dosage Range Identification

Available peer-reviewed literature and applied research are systematically reviewed to identify documented effective dosage ranges. When clear dosage ranges are established in multiple studies, formulation targets remain within those ranges.

When evidence varies across sources, conservative lower-bound dosing supported by multiple independent publications is selected to ensure safety and efficacy.

Step 3: Functional Role Validation

Each ingredient is rigorously evaluated toconfirm a specific, non-redundant functional role within the overall formulation structure. Ingredients included solely for label appearance, trend alignment, or perceived product completeness are systematically excluded.

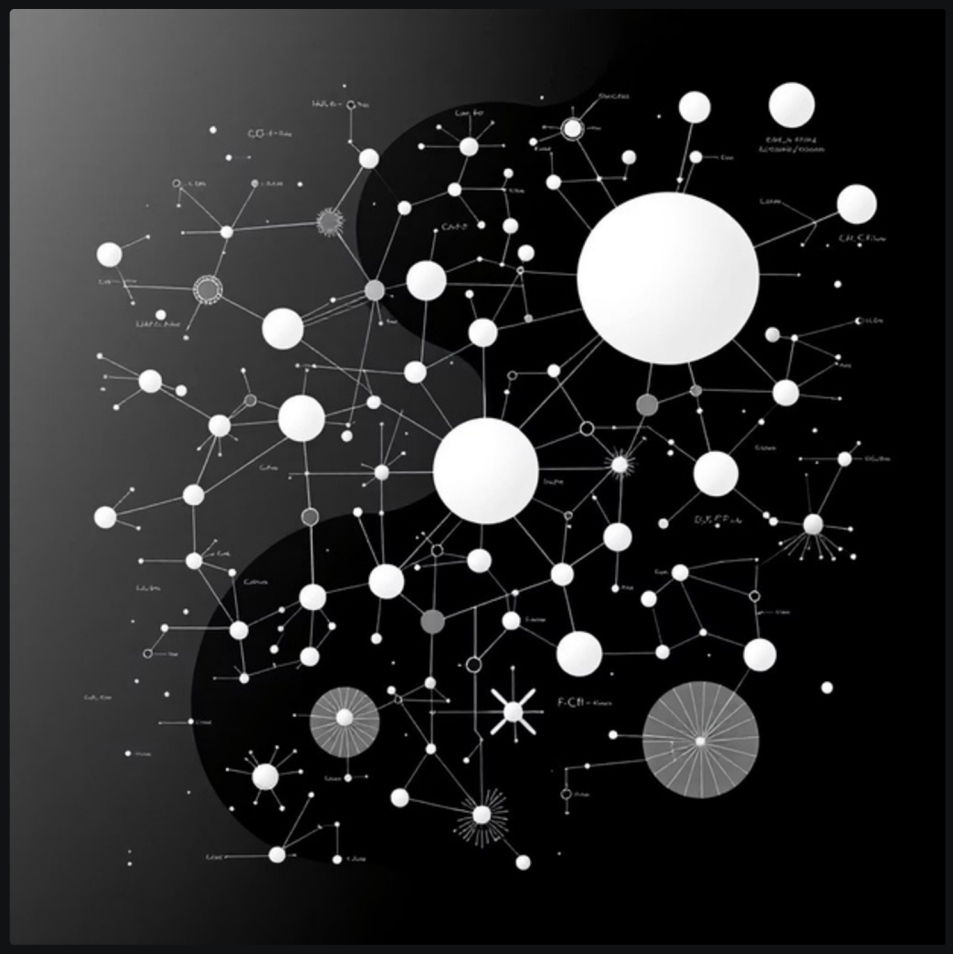
Overlapping or redundant functional inputs are identified and eliminated to maintain formulation integrity.

Step 4 & 5: Interaction Review and Transparency

Step 4: Interaction and Redundancy Review

Remaining ingredients are reviewed collectively to comprehensively assess functional overlap, potential counterproductive interactions, and unnecessary formulation complexity.

Ingredients that do not contribute distinct functional value are systematically removed, ensuring the formulation structure remains concise and functionally coherent.



Step 5: Transparency Confirmation

Final formulations developed underthis framework must disclose exact ingredient quantities without exception. Proprietary blends or undisclosed dosing structures are not permitted.

Complete disclosure is required to allow objective third-party evaluation by practitioners, retailers, or informed consumers.

Ingredient Exclusion Criteria

During framework application, ingredients are systematically excluded if they meet any of the following conditions. This rigorous exclusion process ensures that only evidence-aligned, functionally appropriate ingredients are retained in final formulations.

1

Insufficient Evidence

No credible scientific evidence supporting the claimed physiological function

2

Impractical Dosing

Required effective dosage exceeded practical serving size or established safety limits

3

Marketing-Driven

Inclusion was primarily marketing-driven rather than function-driven or evidence-based

4

Functional Redundancy

Functional redundancy identified with other retained ingredients in formulation

5

Disclosure Limitations

Inability to disclose exact ingredient quantities due to proprietary constraints

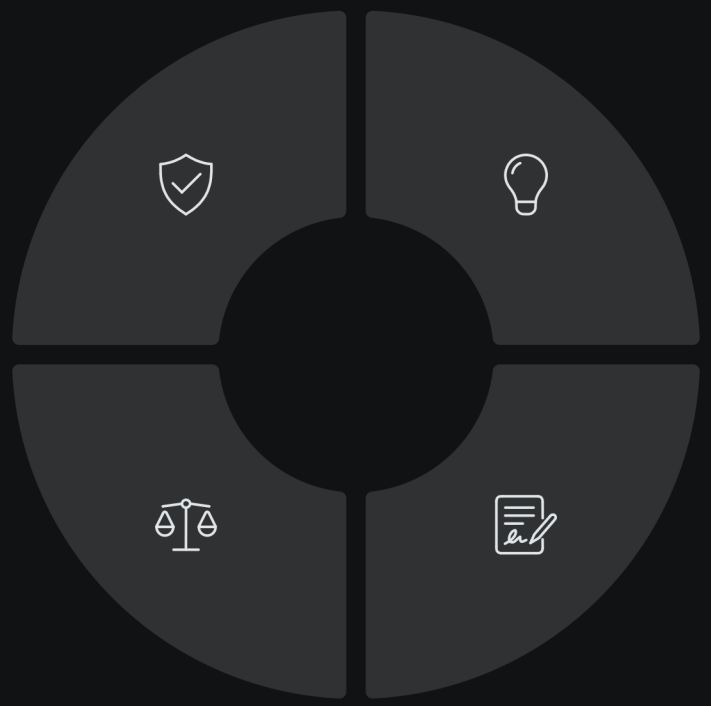
Framework Outcomes & Practical Applications

Evidence-Aligned

All ingredients supported by credible scientific research with documented physiological mechanisms

Objectively Comparable

Standardized evaluation enables comparison across products and categories



Functionally Intentional

Each ingredient serves a specific, non-redundant role within the formulation structure

Transparent Disclosure

Full ingredient quantity disclosure enables independent evaluation and comparison

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Practical Applications

- Evaluate formulation structure prior to product development
- Assess ingredient suitability for performance-oriented use cases
- Enable objective comparison across supplement products
- Support integration into structured training or wellness programs

The framework is applied consistently across MYONIQ Nutrition's product development processes and informs future research and category expansion decisions within MYONIQ LLC.

How MYONIQ uses this framework operationally

- applied before finalizing any formulation
- used to approve/reject ingredient inclusions
- requires documented evidence support and dosing rationale
- drives the final label structure (full disclosure requirement)

Scope, Limitations & Framework Integrity

Document Scope

This document serves as a public illustrative example of a framework application methodology. It demonstrates the systematic process through which evidence-based formulation decisions are made within the MYONIQ development system.

5

Framework Steps

Systematic evaluation stages

Defined Limitations

This document does not disclose proprietary formulation data, commercial performance claims, or confidential manufacturing details. The framework example is intended to demonstrate process integrity and decision-making methodology rather than specificproduct outcomes.

100%

Transparency

Full ingredient disclosure

Framework Integrity

The MYONIQ Evidence-Aligned Formulation Decision Framework represents a commitment to transparent, evidence-based product development in performance nutrition. This systematic approach differentiates evidence-driven formulation from marketing-driven product design.