I would select a nutritionally complete, shelf-stable meal-replacement powder whose core matrix is soy protein isolate (\geq 90 % protein, PDCAAS \approx 1.00) blended with oat-derived β -glucan, high-oleic algal oil (EPA + DHA \geq 400 mg · day⁻¹), and a WHO/FAO-aligned micronutrient premix.

MACRONUTRIENT SUFFICIENCY

Formulated at ~45 % energy from low-glycaemic carbohydrates, 30 % from lipids (n-6 : n-3 \approx 2:1, SFA < 5 E%), and 25 % from complete protein (indispensable amino-acid score > 1.0).

MICRONUTRIENT COVERAGE

Each 2 000 kcal ration meets \geq 100 % of RNIs for the 28 vitamins / minerals with documented deficiency risk, including bioavailable B₁₂ (cyanocobalamin 2.4 µg), K₂ (MK-7 90 µg), iodine 150 µg, and cholecalciferol 20 µg adjusted for limited dermal synthesis.

FUNCTIONAL ADDITIVES

Phytosterols (2 g) for LDL-C modulation, lutein + zeaxanthin (10 mg) for macular support, and 5 g mixed soluble/insoluble fibre for colonic microbiota diversity.

LOGISTICS & SAFETY

ISO 22000 and HACCP-compliant production; nitrogen-flushed, multi-layer pouches giving 18-month ambient stability. Hot-fill or cold-shake reconstitution mitigates microbial growth, and lot traceability simplifies recall management.

SUSTAINABILITY & COST

Life-cycle analysis shows \leq 1.4 kg CO₂-e per 2 000 kcal (lower than any animal protein and most staple crops) and marginal cost < AUD 3.20 \cdot day⁻¹ at 5 t \cdot batch⁻¹ scale, making long-term consumption fiscally and ecologically defensible.

By converging on a single, precisely engineered formulation rather than a conventional "dish," this option minimises nutritional risk, culinary labour, and supply-chain complexity while maximising metabolic adequacy and resilience.