



ACANTHONPANACIS X-R5 HERBAL EXTRACT OIL

This product has been meticulously developed from the Acanthonpanacis plant, an exclusive, high-purity botanical extract recognized for its contamination-free origin. It is distinguished by its remarkable antimicrobial activity and broad spectrum of action, demonstrating efficacy against Gram-positive cocci, bacilli, and Gram-negative bacteria. Furthermore, it stands out for its superior potency, positioning it as a high-performance solution for specialized applications.

1. PRODUCT DESCRIPTION

Product Name: Acanthonpanacis X-R5 Herbal Extract Oil

Manufacturer: Sinergy Harvest Lab Costa Rica

Botanical Source: Acanthonpanacis plant

Extraction Method: Cold-pressed filtration

Appearance: Golden Pale yellow to amber-colored oil

Odor: Strong herbal scent

Solubility: Insoluble in water, soluble in ethanol and essential oils

Intended Use: Pharmaceutical applications, specifically recommend for vaccine production

2. CHEMICAL COMPOSITION & PROPERTIES

Active Ingredients: Bioactive alkaloids, Anticancer flavonoids, terpenoids

Purity: $\geq 99\%$ purity (as per HPLC analysis)

Density: 0.90 - 0.96 g/cm³

Refractive Index: 1.470 - 1.490 a 25°C

Acid Value ≤ 1.5 mg KOH/g

Peroxide Value: ≤ 5.0 meq/kg

Moisture Content: $\leq 0.5\%$

3. MICROBIOLOGICAL & HEAVY METAL STANDARDS

Total Aerobic Count: < 1000 CFU/g

Yeast & Mold Count: < 100 CFU/g

E. coli, Salmonella, Staphylococcus aureus: Absent

Heavy Metals (Lead, Mercury, Cadmium, Arsenic): < 10 ppm (individually)



4. PHYSICAL & STABILITY CHARACTERISTICS

Storage Conditions: Store in a cool, dry place away from direct sunlight

Shelf Life: 24 months from the date of production

Packaging: Packed in amber glass bottles or aluminum containers to prevent oxidation

5. COMPLIANCE & CERTIFICATION

GMP Compliance: Manufactured under Good Manufacturing Practices (GMP)

ISO Certification: ISO 9001:2015, ISO 22000

Pharmaceutical Standards: Meets USP/BP/EU Pharmacopeia guidelines

Allergen-Free Statement: Free from gluten, soy, dairy, and artificial additives

6. RECOMMENDED DOSAGE & USAGE

To be used as per pharmaceutical formulation guidelines and regulatory requirements for vaccine production

Handle with appropriate PPE (Personal Protective Equipment)

7. QUALITY ASSURANCE Y TESTING METHODS

Purity Analysis: HPLC y GC-MS

Microbiological Testing: USP <61>, <62>

Heavy Metal Testing: ICP-MS