

2024

Live Rosin Catalogue



**LEADING
NATURALLY**

INTRODUCTION

ABOUT GESLabs

Next Generation

Welcome to GESLabs, where innovation meets specialization. As a dedicated biotechnology company, we focus on providing cannabinoid based therapeutic actives derived from medical cannabis.



Our commitment is centered around developing safe and high-quality medicines for patients. By harnessing the power of naturally abundant therapies and incorporating modern scientific discoveries, we are at the forefront of unveiling the vast medical and health-related benefits that cannabinoids offer. Embark on this journey with us as we lead the way in pioneering research and innovation, establishing groundbreaking benchmarks through the developments of our cannabinoid-based product range.

We take pride in our state-of-the-art active pharmaceutical manufacturing solution, meticulously designed and built to standardize our cannabinoid-based therapies. Our world-class technology suite encompasses GMP-compliant active extraction, intermediate API production, and API isolation. Offering a comprehensive range of manufacturing capabilities, we are dedicated to providing targeted therapeutic relief for patients facing both acute and chronic conditions.

Discover the future of cannabinoid therapies with GESLabs - where excellence, innovation, and patient well-being converge.



Private Label Solutions

Explore our comprehensive Private Label Solutions designed to elevate your pharmaceutical brand.

Tailored Supply Chain Excellence

Navigate a diverse supply chain offering a wide spectrum of chemovars and cultivation techniques meticulously tailored for specific primary and secondary packaging solutions.

Client-Centric Formulation Excellence

Experience our specialization in crafting bespoke solutions. From formulations and components to dosage formats and regulatory control, our team is dedicated to tailoring each product to meet the distinctive requirement of every patient. Your brand's identity is preserved, and patient satisfaction is prioritized.



OUR APPROACH



GMP Product Development

Validated Processes for Unrivaled Quality

Rely on our commitment to validated processes that guarantee exceptional quality. Our products undergo rigorous scrutiny, supported by specification sheets, a range of GMP based validation protocols, batch release testing strategies, stability testing protocols, and robust intellectual property protection. Leveraging our pharmaceutical expertise, we strive to exceed the industry standards, delivering solutions that align seamlessly with patient-specific needs.

At GESLabs we stand as your committed partner in innovation. Unleash the potential of your brand with our solutions, where precision, quality, and patient-centric focus converge for optimal success.



Live Rosin

Live Rosin is the pinnacle method for cannabinoid and terpene extraction. This peculiar process is specific to each plant variety, and its gentle, solvent-free action enables trichome heads (which hold oleoresins) to be collected without bio-mass contamination. Freshly harvested flowers are frozen before cold water agitation dislodges the trichome heads from the flowers and allows for their collection and preservation of the plant's natural terpene profile. It delivers a full and rich spectrum of cannabinoids and terpenes - as true to each variety's natural expression as possible.



Key Features:

Uncompromised Quality: Our Live Rosin extraction method prioritizes quality and freshness, resulting in a product of exceptional purity and authenticity, capturing the essence of the cannabis plant.

Full-Spectrum Excellence: Retaining a diverse range of cannabinoids and terpenes, Live Rosin ensures the entourage effect, amplifying the therapeutic potential and offering a holistic cannabinoid experience.

Versatile Formulation Capabilities: As a Bulk API, Live Rosin serves as a versatile starting material for pharmaceutical formulations, enabling the development of tailored products addressing specific medical conditions.

| Parameters | Specification |
|-------------------|---|
| Formulation | >70% THC-A |
| Appearance | Viscous semi-solid at room temperature, yellow-gold |
| Packaging | Insert Argon purged. Amber glass bottle 250ml. Glass Type III Polypropylene (PE) Cap |
| Storage | Tightly closed, protected from light, 15 - 25° C |
| Shelf-life | 24-months (stability ongoing) |
| Extraction | Low temperature EP-grade water, fresh frozen cannabis flower |
| Origin | South Africa |
| Stability Studies | Conducted according to ICH stability guidelines Long term studies up to: 24 months (25°C±2°C, 60% ± 5%RH) Accelerated studies up to: 6 months (40°C±2°C, 75% ± 5%RH) |
| Strains | GMO Cookies (Hybrid), Platinum Slurricane (Hybrid) Wedding Cake (Indica), Duraflame (Indica), Strawguava (Indica) Guerrilla Cookies (Sativa), East Coast Sour Diesel (Sativa) Ice Box (Sativa), Cheetah Piss (Sativa), Moonshine Haze (Sativa) |

Trichome farming production schedule

| Group A | Group B | Group C - Select Niche |
|---|---|---|
| GMO Cookies 8-kgs/21-day live hash = 4.5-kgs active rosin | Platinum Slurrricane 8-kgs/21-day live hash = 4.5-kgs active rosin | Ice Box 2-kg/21-day live hash = 1-kg active rosin |
| Wedding Cake 6-kgs/21-day live hash = 3-kgs active rosin | Duraflame 6-kgs/21-day live hash = 3-kgs active rosin | Strawguava 2-kg/21-day live hash = 1-kg active rosin |
| Guerilla Cookies 6-kgs/21-day live hash = 3-kgs active rosin | East Coast Sour Diesel 6-kgs/21-day live hash = 3-kgs active rosin | Cheetah Piss 2-kg/21-day live hash = 1-kg active rosin |
| - | - | Moonshine Haze 2-kg/21-day live hash = 1-kg active rosin |

Key Production Critical Process Parameters:

Input material: Our supply is produced from dedicated greenhouse production of flowers for solventless production. We have put together a dedicated supply chain from flower to trichomes to solventless production. Our greenhouse flower production maintains GACP control all the way to trichome production.

Collection micron fractions: We maintain a strict ultra premium collection of trichomes with an absolute minimum amount of plant matter.

Rosin production: All our live hash is pressed in 25-micron pouches at low temperature to produce a live rosin product with 70+% THC-A and 5-8% total terpenes as a full-spectrum product. Our yields exceed 70% from hash to rosin when making calculations based on our above schedules.

Downstream production: GES is fitted with robust decarboxylation technologies and centrifugation to ensure that decarboxylation for use as active live rosin into cartridges, oils and edibles ensure that minimal terpene loss occurs and maintains a truly premium profile.

Applications: Live rosin by cold water collection and pressing is the epitome of 'full-spectrum' medical cannabis

Applications include:

- Ultra premium inhalation cartridges
- Full-spectrum MCT oils
- Concentrates for inhalation
- Full-spectrum edibles



**Decarboxylated Live Rosin
Per Strain**



**Cheetah Piss
Sativa**



**GMO Cookies
Hybrid**



**Guerilla Cookies
Sativa**



**Duraflame
Indica**



**Platinum Slurrricane
Hybrid**



**Wedding Cake
Indica**



**Moonshine Haze
Sativa**



**East Coast Sour Diesel
Sativa**