

# The Mitra Project

*Independent Alkaloid Rating Terminal*

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Platform Overview & Feature Set

March 2026

<b>6</b> Graded Batches	<b>1</b> Brand Indexed	<b>7</b> Science Modules	<b>50+</b> States Tracked
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## Our Mission

*"To bring scientific rigour, transparency, and community accountability to the kratom industry — so that every consumer knows exactly what they are buying."*

The kratom industry operates largely without independent verification. Labels are unaudited. Potency claims are unverified. Consumers have no reliable way to compare products or identify vendors who invest in quality.

The Mitra Project exists to change that. We independently test products, grade them against a transparent formula, and publish the results in a public directory anyone can search. Every grade is backed by a Certificate of Analysis from an ISO-17025 accredited laboratory — not the vendor's word.

We pair that scientific foundation with a community of informed users who can submit reviews, flag concerns, and hold vendors publicly accountable. The result is a self-reinforcing trust loop: better data attracts more scrutiny, more scrutiny attracts better vendors, and better vendors produce better products.

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### Independent

No advertising. No sponsored grades. No vendor influence over results. Ever.

### Lab-Verified

Every grade is backed by an ISO-17025 Certificate of Analysis. No exceptions.

### Community-Driven

Reviews, reputation, and moderation are powered by the people who use these products.

## The Problem We Solve

Kratom is a complex botanical with real pharmacological activity and a growing user base estimated in the millions. Yet it operates in a regulatory grey area that has created serious consumer protection gaps:



### No Independent Verification

Vendors self-report alkaloid content with no third-party check. A label claiming 1.2% mitragynine may contain 0.3% or 3.0% — the consumer has no way to know.



### No Standardised Grading

There is no industry-wide framework for evaluating product quality. Price and branding are the only signals available to most consumers.



### No Harm Reduction Infrastructure

Users seeking accurate information about drug interactions, dependence, or safety face a landscape of forum posts, vendor marketing, and incomplete science.



### No Legislative Visibility

Kratom's legal status varies by state and changes frequently. Most users have no reliable way to track legislative threats or coordinate advocacy responses.

The Mitra Project addresses each of these gaps directly and systematically.

## Core Features

### 01 Product Directory & Grading

The public Product Directory is the heart of The Mitra Project. It lists every graded product with its full lab-verified score, searchable and filterable by alkaloid type, grade, vendor tier, solvent safety, and more.



#### The Mitra Score

A weighted composite of four independent dimensions: Potency Accuracy (40%), Solvent Safety (30%), Batch Consistency (20%), and Transparency Audit (10%). Calculated server-side — vendors cannot influence it.



#### Grade Tiers: F through AAA

Seven grade tiers from F (failing) to AAA (exceptional). The formula and boundaries are transparent and version-controlled. Manufacturer-submitted data caps at Grade A — achieving AA or AAA requires participation in our Blind Buy program.



#### Batch Consistency Tracking

Grades are not one-time snapshots. We track potency variance across multiple batches over time. A vendor who is consistent earns a higher C\_var score — rewarding repeatability, not just a single good test.



#### Grade Math Transparency

Every grade has a "View Math Breakdown" panel showing exactly how the score was calculated — each component, its weight, and the final weighted score. No black boxes.



#### Brand Profiles

Each vendor has a public profile page listing all their graded products, their overall track record, and links to individual batch reports.

### 02 Blind Buy Integrity Program

The Blind Buy program is our highest-integrity verification mechanism. We purchase products anonymously from the open market — exactly as a consumer would — and submit them to a certified lab without the vendor's knowledge.



#### True Blind Testing

Products are purchased anonymously, stripped of vendor identity at intake, assigned a random UUID, and shipped to the lab under that UUID only. The vendor cannot influence or prepare for the test.



### Chain-of-Custody Workflow

A 5-step internal process tracks every Blind Buy mission from purchase receipt through lab shipment, results logging, identity reveal, and grade publication. Every step is audit-logged.



### AA and AAA Unlock

Only products verified through the Blind Buy program can achieve Grade AA or AAA. Manufacturer-submitted COAs cap at Grade A regardless of their content. This is the most important trust signal on the platform.



### Community Voting

War Chest donors vote on which products get tested in the next Blind Buy cycle. The community decides where scrutiny falls — not the platform operator.

## 03 Community & Reviews

Lab grades tell you what is in the product. Community reviews tell you what it is like to use it. Both matter.



### Verified Reviews

Members submit reviews tied to specific graded batches. Reviews are quality-scored by AI before publishing — spam, low-effort content, and vendor-planted reviews are detected and held for moderation.



### Community Forum

A structured forum with channels for product discussion, harm reduction, advocacy, and general community. Rich text editor, voting, karma system, polls, and direct messaging.



### Reputation System

Members build reputation through quality contributions. Trusted members get auto-publish privileges for high-scoring reviews. Reputation is earned, not bought.



### Moderation Infrastructure

A dedicated mod queue surfaces flagged content, low-quality reviews, and trust score alerts. Moderators have clear escalation paths to admins. All actions are audit-logged.

## 04 Science Hub

The Science Hub is a curated, searchable database of peer-reviewed kratom research — the most comprehensive publicly available collection of kratom literature on any consumer platform.



### **~160 Peer-Reviewed Papers**

Seeded across 7 research modules: Pharmacology, Toxicology, Dependence, Drug Interactions, Epidemiology, Analytical Chemistry, and Clinical Reviews. Plus a 30-paper synthetic analogs supplement.



### **Harm Reduction Research Assistant**

An AI-powered research chat grounded exclusively in the Science Hub literature. Users ask questions about safety, interactions, and pharmacology — every answer is cited to specific papers. Never personal medical advice. Always includes crisis resources (988).



### **Safety First by Design**

The research assistant has a hard safety layer: crisis signal detection routes immediately to 988 and emergency services before any research response. A first-time consent gate ensures users understand they are receiving general research information, not medical advice.

## **05 Legislative Radar**

Kratom's legal status is contested and changes constantly. The Legislative Radar tracks every relevant bill across all 50 states and translates legislative complexity into plain language.



### **All 50 States**

Live bill data pulled nightly from the LegiScan API. Every new filing, committee vote, amendment, and status change is tracked automatically.



### **AI Plain-English Summaries**

Each bill is automatically summarised by AI: what it does in plain English, what it means specifically for kratom, and an urgency rating (CRITICAL / HIGH / MODERATE / LOW / INFO). Users see the impact at a glance without reading legislative text.



### **Action Alerts**

High-urgency bills surface recommended actions for users and advocates — contact your representative, attend a hearing, submit public comment. The platform makes advocacy accessible.

## **06 Vendor Program**

The Mitra Project is not just a consumer tool — it is an accountability infrastructure that progressive vendors opt into voluntarily. Participation signals commitment to quality.



### **Three-Tier Vendor System**

Listed (basic registration), Verified (KYC + ISO-17025 labs), and Premier (Verified + Blind Buy participation). Each tier unlocks higher grades and platform visibility. The tiers create a quality ladder vendors climb by investing in their products.



### **AI-Assisted COA Submission**

When vendors upload a Certificate of Analysis PDF, AI automatically reads the document and pre-fills the submission form — alkaloid content, solvent residuals, heavy metals, microbials. Vendors review and correct before submitting. Faster submission, fewer data entry errors.



### **Red Flag Detection**

Every COA submission is automatically checked against hard scientific rules (impossible values, future dates, solvent mismatches) and AI pattern analysis (copy-paste artifacts, internal inconsistencies). Trust scores surface in the admin queue — humans make all final decisions.



### **Trust Index**

A vendor's public trust score reflects their track record: COA approval rate, grade history, Blind Buy participation, and community review sentiment. It is visible on their brand profile and cannot be purchased.

## The AI Layer

AI is woven into the platform as an integrity and efficiency layer. It never makes final decisions — it surfaces signals, reduces manual work, and makes the platform scale without compromising quality.

Feature	What It Does	Who Benefits	Human Stays in the Loop
<b>COA Parser</b>	Reads lab report PDFs and pre-fills the submission form automatically	Vendors — faster, more accurate submissions	Vendor reviews every value before submitting
<b>Red Flag Detection</b>	Checks every COA for scientific impossibilities, fraud patterns, and duplicate reports	Platform integrity — catches bad actors early	Admin reviews trust score and flags, makes all final decisions
<b>Review Quality</b>	Scores every review for authenticity, spam signals, and skill indicators before publishing	Community — keeps review signal clean	Mods can override any score with one click
<b>Research Assistant</b>	Answers kratom science questions grounded in peer-reviewed papers with citations	Members — accessible harm reduction info	User always directed to healthcare professionals for personal decisions
<b>Legislative Summariser</b>	Translates bill text into plain English with kratom-specific impact assessment	All users — legislative clarity without lawyers	Summary labelled as AI-generated with generation date

All AI features share a unified rate limiting and usage tracking system. Each can be toggled on or off independently. Costs are logged per feature. At early scale, total AI cost is under \$20/month.

## Guiding Principles

### Science over opinion

Every grade on this platform is traceable to a lab report from an ISO-17025 accredited facility. The formula is public. The math is shown. Opinion is reserved for the community review layer — and even there, it is structured and quality-controlled.

### Transparency as a feature

We publish the grading formula. We show the weight of every component. We version-control every formula change with a justification. We disclose that manufacturer-submitted data cannot achieve the highest grades. Users should never have to trust us blindly — they should be able to verify our work.

### Harm reduction without judgment

Kratom users are adults making informed choices about substances with real effects and real risks. We do not moralize. We provide accurate, cited, peer-reviewed information and make it accessible. We include crisis resources on every AI response. We never shame.

### Vendors earn their standing

Trust cannot be purchased on this platform. A vendor's grade reflects their lab results. Their tier reflects their investment in verification. Their reputation reflects their community track record. The only path to the top is doing the work.

### Build for the end, not the launch

This platform is built feature-complete and tested before launch — not shipped as a minimum viable product and patched iteratively. Every system is designed with the 10x version in mind. We would rather launch later and right than quickly and fragile.

### Community accountability at scale

The mod queue, trust scores, quality scoring, and reputation system are not afterthoughts — they are primary infrastructure. As the platform grows, these systems scale the accountability layer without requiring proportional growth in human moderation time.

## Who We Serve

Audience	What the platform gives them
<b>Consumers</b>	A trustworthy, searchable directory of independently verified products. The ability to compare grades across brands. Community reviews from real users. Harm reduction resources. Legislative awareness.
<b>New users</b>	An accessible entry point to understanding kratom quality, safety considerations, and the regulatory landscape — without having to navigate forums, vendor marketing, or incomplete sources.
<b>Long-term users</b>	A research-grade reference tool for understanding the pharmacology they have been experiencing firsthand. A community of peers who take quality seriously.
<b>Vendors committed to quality</b>	A platform where investment in lab testing and transparency translates directly into visible competitive differentiation. A structured path to earning the highest grades and building public trust.
<b>Harm reduction advocates</b>	A public-facing tool that legitimises evidence-based conversation about kratom, provides reliable citations, and makes safety information findable by the people who need it.
<b>Researchers &amp; journalists</b>	A structured data source for kratom product quality, trend analysis, and regional legislative activity — backed by real lab data.
<b>Policy community</b>	A demonstration that industry self-regulation backed by independent science is possible and scalable — a model for what responsible kratom governance could look like.

## What Makes The Mitra Project Different

*There is no other platform in the kratom space that combines independent lab verification, a transparent grading formula, community accountability, harm reduction AI, legislative tracking, and a blind buy integrity program in a single product.*

Capability	The Mitra Project	Rest of Industry
Independent lab verification	✓ Required for all grades	✗ Self-reported or absent
Transparent grading formula	✓ Public, version-controlled	✗ Not applicable
Blind buy anonymous testing	✓ Community-funded, audited	✗ Not available
Batch consistency tracking	✓ Over time, across submissions	✗ Snapshot only
Grade math shown to public	✓ Every component visible	✗ Not applicable
AI harm reduction assistant	✓ RAG-grounded, cited, safe	✗ Not available
Legislative tracking + summaries	✓ All 50 states, AI plain English	✗ Fragmented or absent
Community review quality control	✓ AI-scored + mod queue	⚠ Unmoderated or minimal
Vendor accountability tier system	✓ Structured, earned, public	✗ Pay-to-play or absent

[themitraproject.org](https://themitraproject.org)

*Independent. Lab-Verified. Community-Driven.*