

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Aromatherapy Dilution Calculator MCP

Calculate precise, safe oil dilutions for every client.

Aromatherapy Dilution Calculator MCP helps practitioners manage topical oil safety. Your AI client uses this tool to calculate exact drop counts for specific carrier oil volumes and verify safety profiles for different demographics like infants or the elderly. It removes the guesswork from mixing oils for massage therapy.

A+ Quality Score 100/100

aromatherapy

essential-oils

massage-therapy

safety

dilution



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Aromatherapy Dilution Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Mixing essential oils for topical use requires precision to avoid skin sensitization or adverse reactions. This MCP gives your AI client the data needed to handle these calculations safely. Instead of manual math, you can ask your agent to determine the exact number of drops needed for a specific volume of carrier oil. It also provides safety profiles for individual oils, highlighting contraindications or risks for specific groups. Whether you are working with pregnant clients, infants, or the elderly, the tool validates if a chosen application method is appropriate for that specific demographic. You can also browse available carrier oil options to find the right base for your blends. It acts as a safety layer between your intent and the final application.

Core Capabilities

01 — Dilution Math

Your agent calculates drop counts based on carrier oil volume.

02 — Safety Verification

The AI checks specific oil profiles for contraindications.

03 — Demographic Validation

Your agent confirms if an oil is safe for infants, pregnant users, or the elderly.

04 — Carrier Oil Selection

The AI suggests appropriate carrier oils based on their properties.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/aromatherapy-dilution-calculator — connect your AI agent in three steps.

- 01 Connect your MCP-compatible client like Claude or Cursor to Vinkius.
- 02 Ask your agent to calculate a dilution or check an oil profile.
- 03 The agent invokes the specific tool from this MCP.
- 04 You receive precise drop counts or safety warnings in your chat.

Connect your client to Vinkius and start asking questions immediately.

Built For

This MCP is built for professionals who work with topical essential oil applications.

Aromatherapists

They hand off complex dilution math and safety checks to the AI.

Massage Therapists

They use the tool to ensure blends are safe for specific client demographics.

Holistic Practitioners

They rely on the tool to verify oil contraindications before application.

What Changes When You Connect

- 01 Reduces manual calculation errors during oil blending.
- 02 Provides immediate safety warnings for sensitive demographics.
- 03 Standardizes dilution ratios across different carrier oils.
- 04 Centralizes oil safety data within your AI chat interface.

Real-World Applications

Client Safety Checks

Verify if a specific oil is safe for a pregnant client before preparing a blend.

Precise Blending

Calculate the exact drops of Lavender needed for a 100ml bottle of almond oil.

Carrier Oil Selection

Find the best carrier oil for a specific massage based on its characteristics.

Contraindication Lookup

Quickly check if Tea Tree oil should be avoided on a client with broken skin.

Patterns to Avoid

Guessing dilution ratios

❌ AVOID

You tell your agent to just add a few drops of peppermint to a large bottle of oil and hope for the best.

✓ INSTEAD

Use `calculate_dilution_ratio` to get the exact drop count and concentration for your specific carrier oil volume.

Ignoring client demographics

❌ AVOID

You assume a standard blend is safe for everyone without checking if it's okay for a pregnant user.

✓ INSTEAD

Run `check_application_compatibility` to verify if a specific application method is safe for that client type.

Skipping oil safety checks

❌ AVOID

You pick an oil based on scent alone without looking up its specific contraindications.

✓ INSTEAD

Always use `get_oil_safety_profile` to retrieve safety data and warnings for the oil you intend to use.

The Right Fit

Connect this MCP if you are a professional aromatherapist or massage therapist who needs to verify safety and math for topical blends. Do not connect it if you only use essential oils for room diffusion or scenting spaces. The decision rests on whether you apply oils directly to skin.

Aromatherapy Dilution Calculator 4 Tools

These tools handle the math and safety checks required for topical essential oil applications.

#	TOOL	DESCRIPTION
01	calculate_dilution_ratio	This tool calculates the exact number of essential oil drops and the final concentration for a given volume of carrier oil.
02	check_application_compatibility	This tool verifies if a specific application method is safe for a particular client type.
03	get_carrier_oil_options	This tool provides a list of available carrier oils and their specific characteristics to help you choose a base.
04	get_oil_safety_profile	This tool retrieves safety data and specific warnings for a single essential oil.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U How many drops of Lavender oil should I add to 50ml of jojoba oil for a full-body massage on an adult?



For 50ml of carrier oil for an adult full-body massage, you should add 10 drops of Lavender oil to achieve a safe 2% dilution.

U Is it safe to use Peppermint oil on an infant?



No, Peppermint oil is generally not recommended for infants due to high sensitization risks and strict safety thresholds for this demographic.

U What are the contraindications for Tea Tree oil?



Tea Tree oil should be avoided on broken skin and used with caution by individuals with known skin sensitivities.

Frequently Asked Questions

01 How do I use this MCP in Claude?

You connect your Claude client to Vinkius, and the tools become available as functions your agent can call during your conversation.

02 Can this tool help with infant safety?

Yes, the tool includes functionality to validate if an application method or specific oil is appropriate for infants.

03 Does it calculate drop counts?

Yes, the `calculate_dilution_ratio` tool determines the exact number of drops needed for a specific volume of carrier oil.

04 What kind of clients can I use this with?

You can use it with any MCP-compatible client like Cursor, Windsurf, or VS Code.

05 Does it provide information on carrier oils?

Yes, you can use the `get_carrier_oil_options` tool to see a list of available oils and their characteristics.

06 How do I know if a dilution is safe for a child?

You can use the `'calculate_dilution_ratio'` tool and specify 'child' as the client type. The tool automatically adjusts the maximum allowable percentage based on professional safety standards for children.

07 Can I check for specific oil contraindications?

Yes, use the `'get_oil_safety_profile'` tool. It returns a list of contraindications and the maximum safe percentage for that specific essential oil.

08 Does this tool support different carrier oils?

Yes, you can use `'get_carrier_oil_options'` to view available carrier oils and their absorption rates to help you choose the best base for your dilution.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

`https://edge.vinkius.com/[TOKEN]/mcp`

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"aromatherapy-dilution-calculator": { "url": "..."} </code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  Ask ChatGPT 
-  Ask Claude 
-  Ask Perplexity 
-  Ask Gemini 
-  Ask Grok 

READY TO CONNECT

Aromatherapy Dilution Calculator is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

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