

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

# Detox Bath Calculator MCP

Get precise Epsom salt recipes tailored to your body.

Detox Bath Calculator MCP calculates exact Epsom salt concentrations and bath recipes based on your physical profile. It handles the math for tub volume, salt mass, and temperature to ensure your soak is both effective and safe for your specific skin sensitivity.

**A+** Quality Score 100/100

epsom-salt

magnesium

bath

wellness

health



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# Detox Bath Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Stop guessing how much salt to throw in the tub. This MCP handles the chemistry and math of Epsom salt baths so you don't have to. Whether you are trying to hit a specific magnesium concentration or just want a relaxing soak that won't irritate your skin, your AI client can now run the numbers for you. You provide your weight, skin sensitivity, and tub size, and the MCP returns a complete recipe. This includes the exact mass of salt needed, the right temperature, how long to soak, and even suggestions for additives. It also acts as a safety check, making sure your planned bath won't cause skin irritation based on your specific profile. It turns a vague wellness idea into a precise, repeatable routine.

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## Core Capabilities

### 01 — Custom Recipes

Your agent creates bath compositions based on your weight and skin sensitivity.

### 02 — Volume Math

The MCP calculates salt mass for any tub size you specify.

### 03 — Safety Validation

Your AI client checks if your bath temperature and salt levels are safe for your skin type.

### 04 — Absorption Estimates

The tool estimates how much physiological impact the bath might have.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/en/ai-agent-connect/detox-bath-calculator](https://vinkius.com/en/ai-agent-connect/detox-bath-calculator) — connect your AI agent in three steps.

- 01 Connect the MCP to Claude, Cursor, or Windsurf via Vinkius.
- 02 Provide your physical details like weight and skin sensitivity to your agent.
- 03 Specify your tub volume or target salt concentration.
- 04 Receive a complete, safe bath recipe or salt requirement calculation.

Connect the MCP to your AI client and start asking for recipes or safety checks.

## Built For

People looking for precise wellness routines and those who want to avoid skin irritation from improper salt concentrations.

### Wellness Enthusiasts

Users who want exact recipes for magnesium baths based on their body weight.

### Health Coaches

Professionals who need to provide safe, data-backed bath instructions to clients.

### Biohackers

Individuals tracking physiological impacts and specific salt concentrations for recovery.

## What Changes When You Connect

- 01 Eliminates guesswork regarding salt mass and tub volume.
- 02 Prevents skin irritation by validating safety limits.
- 03 Provides specific soak durations and temperatures for your profile.

## 04 Calculates exact additive amounts for customized recipes.

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# Real-World Applications

### Standardizing Recovery

Use the MCP to create the same high-quality bath recipe every time you need muscle recovery.

### Scaling for Tub Size

Quickly find out how much salt to buy for a large garden tub versus a small soaking tub.

### Safety Checking

Verify if a high-temperature soak is safe for your specific skin sensitivity before you start.

### Customizing Additives

Get recommendations for baking soda or essential oil amounts to match your salt concentration.

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# 4 Tools Available

| #  | TOOL                       | DESCRIPTION                                                                                                                                      |
|----|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 | calculate_salt_requirement | This tool finds the exact mass of Epsom salt you need for a specific tub volume to hit your target concentration.                                |
| 02 | get_absorption_estimate    | This tool estimates the physiological impact and potential absorption levels of your planned bath.                                               |
| 03 | recommend_bath_composition | This tool generates a full bath recipe, including salt amounts, additives, water temperature, and soak duration, based on your physical profile. |
| 04 | validate_safety_limits     | This tool checks your proposed bath setup against your skin type to ensure the temperature and salt levels are safe.                             |

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## See It in Action

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

**U** I have a 150 liter tub and want a standard concentration. What is the salt requirement?



For a 150 liter tub at your target concentration, you will need 4500 grams of Epsom salt.

**U** Recommend a bath for a 70kg person with medium skin sensitivity for a 100 liter tub.



For your profile, use 1500g of Epsom salt, 20g of baking soda, and 5 drops of essential oils. Soak at 37°C for 20 minutes.

**U** Is a 45°C bath with high salt concentration safe for someone with high skin sensitivity?



No, that configuration is unsafe. High skin sensitivity requires lower temperatures and lower concentrations to prevent irritation.

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## Frequently Asked Questions

### 01 How does the MCP calculate salt amounts?

It uses the specific volume of your tub and your target concentration to determine the exact mass of Epsom salt required.

### 02 Can I use this to check if a bath is safe for my skin?

Yes, the `validate_safety_limits` tool checks your proposed temperature and salt levels against your skin sensitivity profile.

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**03 What information do I need to provide for a recipe?**

You should provide your body weight, skin sensitivity, and the volume of your tub for the most accurate recommendation.

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**04 Which AI clients can use this MCP?**

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

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**05 Does it recommend more than just salt?**

Yes, the recommendation tool provides salt mass, additives, temperature, and soak duration.

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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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                                                                                      |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|  <b>Claude AI</b>  | Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint                          |
|  <b>Cursor</b>     | Settings → Features → MCP Servers → "+" Add New MCP Server" → Type: SSE → Paste endpoint                |
|  <b>VS Code</b>  | Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"detox-bath-calculator": {<br/>  "url": "..." }</code> |
|  <b>Windsurf</b> | MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL                                        |
|  <b>ChatGPT</b>  | Settings → Tools & plugins → Add MCP server → Paste endpoint                                            |
|  <b>Gemini</b>   | 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

## Detox Bath 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](https://cloud.vinkius.com) →**

[vinkius.com](https://vinkius.com) · [support@vinkius.com](mailto:support@vinkius.com)

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DOCUMENT INFORMATION

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| Endpoint   | <code>https://edge.vinkius.com/{token}/mcp</code> |

LICENSE & USAGE

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