

AREA: PURCHASING

Smart Supplier & Ingredient Qualification

How Kemchain automates material validation and traceability — reducing errors and optimizing procurement costs.

98%

Error Reduction
in ingredient data entry

29%

Procurement Savings
through supplier benchmarking

100%

Full Traceability
automated & audit-ready

The Challenge

Purchasing and Compliance (Quality Control, Quality Assurance, Regulatory, Sustainability, R&D) teams in the chemical, cosmetic, flavor, colorant, detergent and fragrance industries among others manage hundreds of ingredients and suppliers. Manual validation of technical data sheets, safety data sheets, and regulatory documents consumes valuable time, introduces errors, and makes objective comparison between suppliers, even for the same ingredient quality, extremely difficult.

Kemchain Solution

Automated Ingestion

Kemchain extracts and structures data from technical documents (TDS, SDS, CoA) from any supplier using AI, eliminating manual data entry entirely.

Automated Document Lifecycle Management

The platform proactively requests updated documents from suppliers before expiration, automatically ingests the new versions, and compares them against previous documents.

Comparative Qualification

The platform normalizes ingredient data to enable side-by-side supplier evaluation for equivalent quality grades, identifying the optimum in price, compliance, and regulatory risk.

Real-Time Traceability

Any change to an ingredient or supplier is automatically detected and propagated throughout the system, maintaining a complete chain of custody without human intervention.

Regulatory Alerts

Kemchain monitors changes in REACH, CLP, IFRA, and IOFI and links alerts directly to the affected ingredients and suppliers in your portfolio.

Results Achieved

**98% error reduction**

Automated extraction and validation of technical data virtually eliminates transcription errors in ingredient records.

**29% procurement savings**

By evaluating and qualifying new suppliers for the same ingredient quality, the team identifies competitive alternatives with full compliance assurance.

**100% automated traceability**

Every ingredient has a complete history of changes, suppliers, and associated documents — no manual effort required, ready for regulatory audits.

**Shorter qualification cycles**

A process that previously took days or weeks of document review is completed in hours, freeing the purchasing team to focus on higher-value tasks.

Is your purchasing team still qualifying ingredients manually?

Discover how Kemchain can transform your process → kemchain.com