

One record for every formulation

SUMMARY



Centralize formulation, process, and quality data across every site. Every formulation keeps its full screening history, ready for the next iteration.

45%

less DOE workload

SCG Chemicals

>50%

reduction in time from testing completed to results delivered

Cabot Corporation

"Uncountable has given us one integrated platform that removes the frustration of juggling multiple software tools."

Jon Cronin

Director of Research and Development, Fiber Optic Materials, Covestro

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SC-121 Fossil control Experiment

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		SC-121 Fossil control	SC-126 Bio surfactant	SC-138 Bio surfactant and binder
▼ Premix ▼	+	↓	↓	↓
≡ Defoamer	Mineral Oil Defoamer	0.3 g	0.3 g	0.3 g
≡ Dispersant	Dispersant I	0.8 g	0.8 g	0.8 g
≡ Solvent	Water	20 g	20 g	20 g
≡ Surfactant	Alcohol Ethoxylate	1 g	g	g
≡	Alkyl Polyglucoside	g	1 g	1.1 g
	Step Total	22.1 g	22.1 g	22.2 g
Mixing	ⓘ Mixing Temperature	25 °C	25 °C	25 °C
▼ Grind ▼	+	↓	↓	↓
≡ Pigment	Titanium Dioxide	22 g	22 g	22 g
	Step Total	22 g	22 g	22 g
Mixing	Mixing Speed	2500 RPM	2500 RPM	2800 RPM
▼ Thindown ▼	+	↓	↓	↓
≡ Binder	Acrylic Latex	45 g	45 g	g
≡	Bio-based Acrylic Latex	g	g	45 g
≡ Solvent	Water	10 g	10 g	10 g
≡ Thickener	HEUR Thickener	0.6 g	0.6 g	0.6 g
	Step Total	55.6 g	55.6 g	55.6 g
	Experiment Total	99.7 g	99.7 g	99.8 g
▼ Calculations ▼	+			
ⓘ Formula Cost	⌘	2.02 \$/kg ⓘ	2.03 \$/kg ⓘ	2.35 \$/kg ⓘ
ⓘ Formula Bio-based Content	⌘	0 % ⓘ	1 % ⓘ	14.6 % ⓘ

Three surfactant screen formulations side by side, with process settings and the calculated cost and bio-based content of each formula.

Uncountable's AI-native end-to-end platform is deployed by 175+ product development teams.



BUILT FOR SPECIALTY CHEMICALS

The surfactant you screened, screened again

Specialty chemicals R&D often runs on disconnected systems, so formulations, instrument data, and test results never sit together. Scientists cannot find their own past work, and scale-up breaks when process context goes missing.

One platform for every team

R&D, quality, PLM, and project management share one structured data layer.

Process travels with the formulation

Record mixing speed, temperature, and other process settings with the ingredients.

SPC control charts

Control charts with run rules flag a drifting result.

Find any past formulation

Filter past experiments by ingredient, amount, test result, or calculation, or search by molecule.

Specs and approvals, linked

Specs, phase reviews, and approvals stay attached to the formulation record.

Test requests from the record

Create a lab request for testing, and link it to the formulation that it tests.

Full DSC, FTIR, and GPC curves

Curves and spectra stay complete and comparable, instead of flattened to one number.

Root cause, not guesswork

Trace an off-spec batch to the raw material lots, process, and test data behind it.

Ask Bodie AI Agent

Bodie plots your data from a plain-language request. Your formulation data never trains foundation models.

From past formulation to next iteration

Set a target for each property, and see which formulations meet it before you scale up. Machine learning then suggests the next formulations to test.

INPUT

Spec targets for each property

RESULT

Each value marked in or out of spec

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SC-121 Fossil control Experiment • 🔄

SC-121 Fossil control ▼

SC-126 Bio surfactant ▼

	Measurements ▼	Assigned Spec: Surfactant Screen Spec	Measurements	Assigned Spec: Surfactant Screen Spec
▼ Rheological ▼ 🧑‍🔬	+ ...			
Viscosity (Pa.s)	> 0.41	∈ [0.38, 0.42]	0.4	∈ [0.38, 0.42]
▼ Coating ▼ 🧑‍🔬	+ ...			
Gloss (GU)	> 84	≥ 80	86	≥ 80
▼ Surfactant Performance ▼ 🧑‍🔬	+ ...			
Foam Height (mm)	> 18	≤ 15	9	≤ 15
Surface Tension (mN/m)	> 30.5	≤ 32	29.8	≤ 32