

SIMDIS SAMPLE QC

Automated quality control for simulated distillation results.

KEY BENEFITS

- Automatically prevent LIMS downloads or Value Pair files when QC exceptions are detected.
- Compare sample boiling point distribution results to user-defined QC limits.
- Apply acceptance limits to custom cut-point ranges.
- See immediate pass/fail status directly from the main Simdis screen.
- Use independent settings for interactive and automated operation.
- Create QC reports and PDF files automatically or only when exceptions occur.

FLEXIBLE QC GROUPS

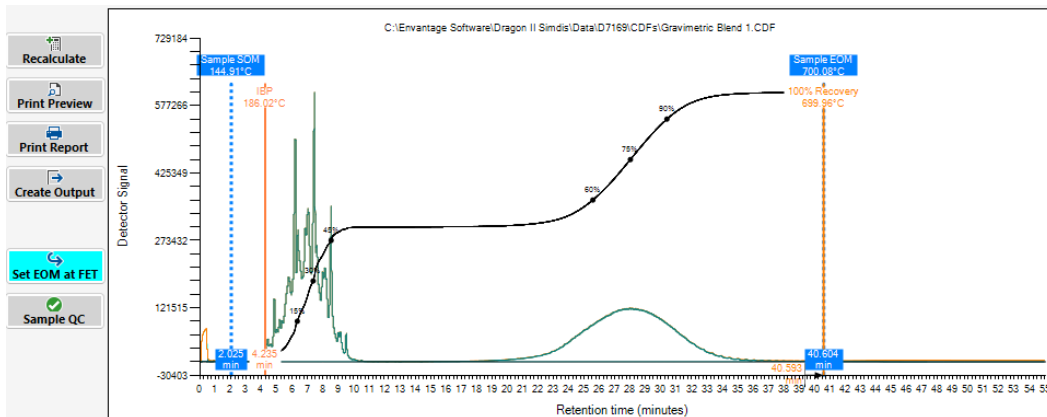
- Assign one or more sample names to a QC group.
- Use partial sample-name matching when needed.
- Configure limits in °C or °F.



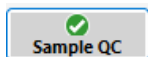
Simdis Sample QC

Built-in compliance checking for routine Simdis analysis

Simdis Sample QC automatically compares calculated sample results against laboratory-defined limits and gives analysts an immediate visual indication of compliance. QC can be applied to both boiling point distribution results and user-defined cut-point ranges.



Sample QC status is available directly from the main Simdis results screen.



In compliance



QC exception

Sample QC Group:

GB1

Compliance Summary

BPD

IN COMPLIANCE

CUT POINTS

IN COMPLIANCE

Boiling Point Distribution

Cut Points

%	Deg °C	Low Limit Deg °C	High Limit Deg °C	In Compliance
0.5	186.02	184.72	188.3	YES
5	205.91	203.94	208.39	YES
10	214.79	213.78	217.44	YES
15	219.57	217.39	221.28	YES
20	225.62	224	228	YES
25	230.96	228.3	232.8	YES
30	236.26	234.06	238.61	YES
35	239.52	236.7	241.94	YES
40	246.64	244.67	249.89	YES

View/Print Sample QC Report

Close

Compliant BPD and Cut Point summary with individual result status.

Sample QC Group:

GB1

Compliance Summary

BPD

NOT IN COMPLIANCE

CUT POINTS

IN COMPLIANCE

Boiling Point Distribution

Cut Points

%	Deg °C	Low Limit Deg °C	High Limit Deg °C	In Compliance
60	512.37	506.61	515.06	YES
65	524.74	519.06	526.94	YES
70	535.89	530.11	537	YES
75	545.43	539.4	546.39	YES
80	555.4	549.17	556.17	YES
85	565.42	558.94	566.17	YES
90	576.22	569.78	576.89	YES
95	591.53	584.56	591.78	YES
99.5	642.38	621.06	636.94	NO

View/Print Sample QC Report

Close

Exceptions are highlighted and the affected QC section is clearly identified.

CONFIGURE QC TO FIT YOUR LAB

- Define low and high limits for selected BPD percentages.
- Define custom cut ranges using start/end temperatures and allowable weight-percent limits.
- Choose whether reports or PDF files are created for every sample or only on exceptions.
- Protect downstream data transfer when results fall outside QC limits.

INTERACTIVE MODE

- Display exception status immediately.
- Optionally prevent LIMS and Value Pair output.
- Allow an analyst to make a controlled LIMS override when appropriate.

AUTOMATED MODE

- Use separate unattended-run settings.
- Automatically enforce configured output restrictions.
- Create reports/PDFs based on the selected QC policy.

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Flexible QC Configuration

Control limits, reporting, and downstream data handling

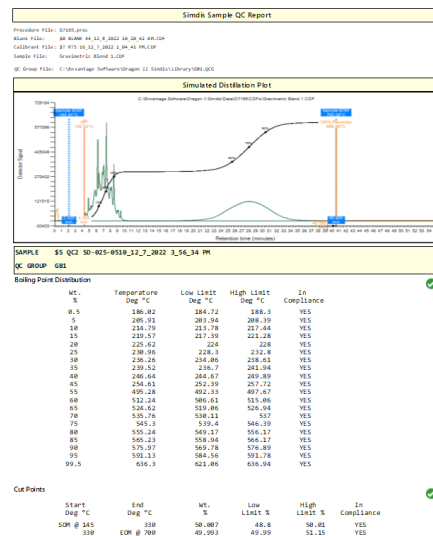
Create reusable QC groups for routine sample types. Each group can contain BPD limits, cut-point limits, and independent workflow options for interactive and automated analysis.

Sample QC Editor: sample matching, run-mode options, temperature units, and BPD limits.

Independent run-mode controls

Interactive Run Mode

Automated Run Mode



Complete QC report with plot, BPD results, cut-point results, and compliance indicators.

Controlled interactive LIMS override when a QC exception occurs.

For more information: software@envantage.com | www.envantage.com