



GAEA Technologies

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Borehole Validation Report

Project ID:	Validation QA and QC Examples
Project Name:	Validation QA and QC Examples
Borehole	ME-01 GOLD-QAQC
X Coordinate:	512345
Y Coordinate:	5426789
End Depth:	35.00
Date Drilled:	August 17, 2026
Validated By:	Admin
Validation Date:	August 17, 2026
WinLoG Version:	6.10
Validation Engine:	2.1.0

Overall Validation Status

Validation:	Failed
Completeness:	96%
Quality:	Fair
Confidence Score:	64%

Validation Summary

Warnings:	4
Errors:	2

Validation Errors

Message:	Recorded core recovery exceeds the associated sample length
Data Type:	Mineral Sample
First Depth:	6.00
Second Depth:	9.00
Actual Value:	3.25
Expected Value:	≤ 3
Explanation:	Recorded core recovery exceeds the associated sample length. This check supports defensible mineral-exploration sampling, geological logging and laboratory QA/QC.
Potential Cause:	The source value, qualifier, units, interval length, or imported field mapping may be incorrec



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Potential Resolution:	Verify the sample ledger and source log, correct confirmed values or units, and document a valid exception.
Message:	Conflicting primary assay results exist for the same sample and analyte
Data Type:	AU ASSAY RESULTS
First Depth:	25.50
Second Depth:	25.50
Actual Value:	0.65 and 6.5
Expected Value:	One identified primary result
Explanation:	Conflicting primary assay results exist for the same sample and analyte. This check supports defensible mineral-exploration sampling, geological logging and laboratory QA/QC.
Potential Cause:	The sample identity, laboratory result, method, units, control limits, or QA/QC classification may be incorrect or incomplete.
Potential Resolution:	Review the certificate, batch and QA/QC records; correct the linkage or result and document laboratory follow-up where required.

Validation Warnings

Message:	Required assay result is missing for a submitted mineral sample
Data Type:	AS ASSAY RESULTS
First Depth:	3.00
Second Depth:	6.00
Actual Value:	Missing
Expected Value:	Assay result or documented status
Explanation:	Required assay result is missing for a submitted mineral sample. This check supports defensible mineral-exploration sampling, geological logging and laboratory QA/QC.
Potential Cause:	The result may be pending, omitted, not requested, incorrectly linked, or not imported from the laboratory certificate.
Potential Resolution:	Check the sample submission and laboratory certificate, enter or link the result, or document its valid status.
Message:	Required assay result is missing for a submitted mineral sample
Data Type:	AU ASSAY RESULTS
First Depth:	12.00
Second Depth:	15.00
Actual Value:	Missing
Expected Value:	Assay result or documented status



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Explanation:	Required assay result is missing for a submitted mineral sample. This check supports defensible mineral-exploration sampling, geological logging and laboratory QA/QC.
Potential Cause:	The result may be pending, omitted, not requested, incorrectly linked, or not imported from the laboratory certificate.
Potential Resolution:	Check the sample submission and laboratory certificate, enter or link the result, or document its valid status.
Message:	High gold assay has no corresponding vein or mineralization observation
Data Type:	Au Assay
First Depth:	19.50
Second Depth:	19.50
Actual Value:	12.4
Expected Value:	Verify assay and geological observations
Explanation:	High gold assay has no corresponding vein or mineralization observation. This check supports defensible mineral-exploration sampling, geological logging and laboratory QA/QC.
Potential Cause:	The assay, sample, recovery, lithology, alteration, vein, or mineralization records may be missing, incorrectly linked, or inconsistent.
Potential Resolution:	Compare the linked logging, sampling and assay records, correct confirmed inconsistencies and document the geological review.
Message:	Logged mineralization has no corresponding required assay result
Data Type:	Mineralized Interval
First Depth:	12.00
Second Depth:	15.00
Actual Value:	Au missing
Expected Value:	Au result or documented status
Explanation:	Logged mineralization has no corresponding required assay result. This check supports defensible mineral-exploration sampling, geological logging and laboratory QA/QC.
Potential Cause:	The assay, sample, recovery, lithology, alteration, vein, or mineralization records may be missing, incorrectly linked, or inconsistent.
Potential Resolution:	Compare the linked logging, sampling and assay records, correct confirmed inconsistencies and document the geological review.

This report summarizes automated validation checks performed by WinLoG Professional. It is not a formal QA/QC certificate and does not constitute approval of the borehole record.