FERMLABS

Laboratory Report

RPT-2026-630

Attn: Tucker
Company: Atelier Mattern
Client #: CLI-0065
Address: 2 Wolter Cresccent, Cromwell 9310, Otago

Sample Received: 07/11/2026
Analysis Reported: 07/11/2026 8:43 pm

Analyte	Sample ID	Result	Analysis Date	Method Reference
S-20261107-001	**AM CH**			
Wine Chem Panel - Full				
D-Glucose/D-Fructose		0.80 g/L	07/11/2026	Enzymatic — OIV-MA-AS311-10
Ethanol (Alcohol)		12.50 % vol	07/11/2026	NIR - Anton Paar
Free SO2 (A/O)		24 mg/L	07/11/2026	Aeration/Oxidation - OIV-MA-AS323-04A1
L-Malic Acid		0.05 g/L	07/11/2026	Enzymatic — OIV-MA-AS313-11
pH		3.25 pH	07/11/2026	Potentiometry (pH electrode) — OIV-MA-AS313-15
Titratable Acidity (TA to 8.2)		7.0 g/L	07/11/2026	Auto Titration - Adapted from OIV-MA-AS313-01 modified—endpoint pH 8.2
Total SO2 (A/O)		42 mg/L	07/11/2026	Aeration/Oxidation - OIV-MA-AS323-04A2
Volatile Acidity (acetic acid)		0.50 g/L	07/11/2026	Enzymatic — OIV-MA-AS313-27
Wine qPCR Full Panel - Quantitative				
Yeast:				
Brettanomyces		Not Detected	07/11/2026	qPCR
Saccharomyces cerevisiae		247 cells/ml	07/11/2026	qPCR
Zygosaccharomyces bailii		Not Detected	07/11/2026	qPCR

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Bacteria:			
Lactobacillus brevis/plantarum/hilgardii	1,260 cells/ml	07/11/2026	qPCR
Acetobacter	11,000 cells/ml	07/11/2026	qPCR
Pediococcus domnosus	Not Detected	07/11/2026	qPCR
Pediococcus parvulus	Not Detected	07/11/2026	qPCR

The results in this report relate only to samples as submitted.
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Tucker Mattern
Manging Director



Understanding your micro results:

We have two types of PCR testing – Confirmation and Quantitative.

Quantitative: This result will either read Not detected (for no cells of the tested species detected) or specify the precise level of living cells for the targeted species or genus by reading (+ number of cells/ml).

The quantification limit of the test is ~10 cells/ml. Below this value, we will report positive detection results as 'Trace'.

Trace: Detected at a level below the quantitation limit of ~10 cells/ml.