

Product Name: WLP001 California Ale Yeast
QC Release Date: 08/28/2024

Lot Number: 22662901
Best Before Date: 03/26/2025

TEST	RESULT	SENSITIVITY
WILD YEAST DETECTION	Pass	<1 CFU PER 40 MILLION CELLS
AEROBIC BACTERIA DETECTION	Pass	<1 CFU PER 40 MILLION CELLS
ANAEROBIC BACTERIA DETECTION	Pass	<1 CFU PER 140 MILLION CELLS

PARAMETER	PRODUCT SPECIFICATIONS	METHOD
CELL COUNT	MADE TO CONTAIN 2.15 BILLION CELLS/mL	ASBC YEAST 4
VIABILITY	>95%	ASBC YEAST 3
pH	<4.6	ASBC BEER 9
STA1 GENE PRESENT IN STRAIN	Negative	PCR

White Labs QC Toolkit

qPCR beer spoilage detection: Testing is performed using the BrewPRO YS Combination qPCR Test Kit, developed for White Labs by Invisible Sentinel. Detection includes *Lactobacillus sp.*, *Pediococcus sp.*, *Gluconobacter sp.*, *Bacillus sp.*, *Acetobacter sp.*, *Brettanomyces/Dekkera sp.*, STA1 gene, *Candida sp.*, *Pichia sp.*, *Wickerhamomyces sp.*

Selective and differential media: Yeast is analyzed for beer spoilage organisms by utilizing industry standard media such as Wallerstein Differential Media (WLD), Lin's Cupric Sulfate Media (LCSM), Hsu's Lactobacillus and Pediococcus Media (HLP).

Manufacturing Location: Asheville, NC

** These results are true and accurate at the time of QC release. Microbial test results are actual results obtained from quality control testing on each individual lot. Parameters are based on verifiable product specifications during manufacturing. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product.