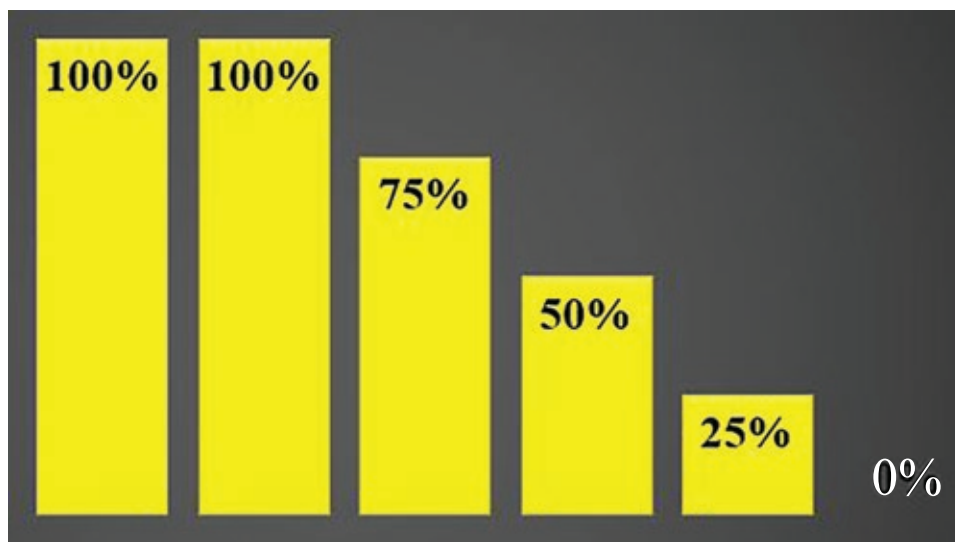


L310 Case Study



L310 Test Summary

- Lower glycerol (less yeast stress)
- More ethanol
- No increase in bacteria
- Decreased costs (Hops Acid Dose)



Defender L-310 PPM	0	100	100	100	100	100
Ethanol (w/v)	12.80%	12.99%	13.04%	12.91%	12.89%	13.01%
Glycerol (% w/v)	0.88	0.82	0.85	0.81	0.78	0.79
Succinic Acid (% w/v)	0.09	0.08	0.09	0.10	0.09	0.09

■ Hops Acid Dose

Providing Creative Solutions

Value Added FSMA Compliant Products From Hydrite

- Demulsifiers
 - Polysorbate Free
 - Cold Temperature Demulsification
 - Milo Specific
- Bisulfites
 - Catalyzed
 - Ammonium Bisulfite
 - Sodium Bisulfite
- Liquid Acid CIP Chemicals
- Antifoam Chemistries
- Antibiotics
- Antibiotic Free Solutions
- Chelating Agents
- Caustic Wetting Agents
- Strong Oxidizers for In-Situ Equipment Cleaning
- Bleach
- Acids:
 - Sulfuric
 - Sulfamic
 - Nitric
 - Citric
 - Acetic
 - Phosphoric
 - Peracetic
- Sodium Chlorite (15% and 25%)
- Caustics
- Floor Cleaners
- Equipment Cleaners
- Lab Waste Disposal Services
- Fermentation Nitrogen Sources:
 - Aqua Ammonia
 - Urea
 - Protease
- Yeast Nutrient

For more information:

Hydrite Chemical Co. 300 N Patrick Blvd. Brookfield, WI 53045
www.hydrite.com Phone: 262-792-1450 Email: marketing@hydrite.com