

05 SMaSH Centennial - 5.1%

American Pale Ale 01 Brouwpunt 5L (60min) (rev 2) Batch Size : 5.6 L Author: Bert Timmerman Boil Size : 7.99 L Type: All Grain Post-Boil V.: 5.99 L IBU : 41 (Tinseth) Mash Water : 3.6 L Sparge Water: 5.69 L Color : 9 EBC 9 EBC : 2.3 CO2-vol Carbonation Boil Time : 60 min Total Water: 9.29 L Pre-Boil Gravity: 1.036 Brewhouse Efficiency: 71.4% Post-Boil Gravity: 1.048 Original Gravity : 1.051 Mash Efficiency : 73.3% Final Gravity : 1.012 Mash Profile Fermentables (1.23 kg) 01 One Step Mash (60 min) 1.2 kg - Pale Malt, Maris Otter 5.9 EBC (97.6%) 73.3 °C - Strike Temp 30 g - Bottling - Sugar, Table (Sucrose) 2 EB... 67 °C - 60 min - Temperature Hops (24 g) Fermentation Profile 20 min - 4 g - Centennial - 9% (12 IBU) Ale 10 min - 5 g - Centennial - 9% (11 IBU) 20 °C - 10 days - Primary 5 min - 7.5 g - Centennial - 9% (12 IBU) 20 °C - 45 days - Conditioning Hop Stand Water Profile 30 min hopstand @ 80 °C NL Hoofddorp Rein Tap Water (2020-Q1 WQR) (Pa... 30 min - 7.5 g - Centennial - 9% (6 IBU) Ca 140 Mg 18 Na 67 Cl 55 SO 242 SO/Cl ratio: 4.4 Miscellaneous Mash - 0.94 ml - Calcium Chloride (CaCl2) 33... Mash pH : 5.7 Mash - 0.33 g - Epsom Salt (MgSO4) Mash - 1.05 g - Gypsum (CaSO4) Sparge pH : 6 Sparge - 1.48 ml - Calcium Chloride (CaCl2) 3... Measurements Sparge - 0.52 g - Epsom Salt (MgSO4) Sparge - 1.66 g - Gypsum (CaSO4) Mash pH: Sparge - 1.1 ml - Lactic Acid 80% 80% 60 min - Boil - 0.15 g - Lipohop K Boil Volume: 10 min - Boil - 1 g - Irish Moss 10 min - Boil - 0.05 g - Servomyces Pre-Boil Gravity: **Yeast** Post-Boil Gravity: 0.5 pkg - Lallemand (LalBrew) New England Post-Boil Kettle Volume: Original Gravity: Fermenter Top-Up: Fermenter Volume:

Final Gravity:

Recipe Notes

Bottling Volume:

Single Mash and Single Hop exBEERiment