

xBmt-20200921 Sulfate To Chloride Ratio in NEIPA - 6.6%

Specialty IPA

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Type: All Grain

IBU : 79 (Tinseth)
BU/GU : 1.18
Colour : 8 EBC
Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.052
Original Gravity : 1.067
Final Gravity : 1.017

Fermentables (1.7 kg)

729 g - Pilsner (2 Row) Ger 3.9 EBC (42.8%)
608 g - Pale Malt (2 Row) US 3.9 EBC (35.7%)
365 g - Oats, Flaked 2 EBC (21.5%)

Hops (60.5 g)

45 min - 1.2 g - Cashmere - 7.9% (4 IBU)
15 min - 8.2 g - Amarillo - 8.3% (13 IBU)
15 min - 8.2 g - Idaho 7 - 13.1% (21 IBU)
^ The Malt Miller (UK) HOP-05-022
15 min - 5.3 g - Galaxy - 16% (17 IBU)
10 min - 8.2 g - Amarillo - 8.3% (10 IBU)
10 min - 8.2 g - Idaho 7 - 13.1% (15 IBU)
^ The Malt Miller (UK) HOP-05-022

Dry Hops

10 days - 10.6 g - Amarillo - 8.3%
10 days - 10.6 g - Galaxy - 16%

Miscellaneous

Mash - 1.67 g - Calcium Chloride (CaCl2) 33 %...
^ Lot # 115038
^ Brouwstore (NL) 055.035.0
Mash - 2.05 g - Gypsum (CaSO4)
^ The Malt Miller (UK) CHE-03-004
Mash - 0.7 ml - Lactic Acid 80% 80%
^ Lot # 20200213
^ Brouwstore (NL) 003.002.3

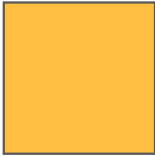
Yeast

0.5 pkg - Imperial Yeast Juice A38

01 Brouwpunt 5L (60min) (rev 4)

Batch Size : 5.6 L
Boil Size : 7.76 L
Post-Boil Vol : 5.96 L

Mash Water : 5.11 L
Sparge Water : 4.4 L
Boil Time : 60 min
Total Water : 9.51 L



8 EBC

Brewhouse Efficiency: 71.8%
Mash Efficiency: 73.3%

Mash Profile

Single Infusion BrewZilla
68.5 °C - Strike Temp
62.8 °C - 60 min - Mash In

Fermentation Profile

Imported
16.7 °C - 10 days - Primary
19.4 °C - 10 days - Secondary
21.1 °C - 7 days - Conditioning

Water Profile

02 NL Spa Reine Flat Mineral Water (www.ah.nl...
Ca 76 Mg 2 Na 3 Cl 42 SO 124 HCO 17

SO/Cl ratio: 3
Mash pH: 5.4
Sparge pH: 6

Measurements

Mash pH:

Boil Volume:

Pre-Boil Gravity:

Post-Boil Kettle Volume:

Original Gravity:

Fermenter Top-Up:

Fermenter Volume:

Final Gravity:

Bottling Volume:

Recipe Notes

Water Profile (high SO4:Cl): Ca 76 | Mg 0 | Na 0 | SO4 124 | Cl 42
Water Profile (low SO4:Cl): Ca 76 | Mg 0 | Na 0 | SO4 41 | Cl 123
<https://brulosophy.com/2020/09/21/water-chemistry-impact-sulfate-to-chloride-ratio-has-on-new-england-ipa-exbeeriment-results/>