

## The Hop Chronicles | Idaho Gem (2020) - 6.6%

### American Pale Ale

Author: Paul Amico

Type: All Grain

IBU : 41 (Tinseth)  
 BU/GU : 0.68  
 Colour : 12 EBC  
 Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.044  
 Original Gravity : 1.057  
 Total Gravity : 1.059  
 Final Gravity : 1.009

### Fermentables (1.45 kg)

1.207 kg - Lamonta (Mecca Grade) 5.9 EBC (83.4%)  
 241 g - Vanora (Mecca Grade) 14.2 EBC (16.6%)  
 30 g - Bottling - Sugar, Table (Sucrose) 2 EBC  
 ^ Albert Heijn (NL)

### Hops (34.9 g)

First Wort - 1.9 g - Idaho Gem - 13.8% (14 IBU)  
 30 min - 2.3 g - Idaho Gem - 13.8% (11 IBU)  
 15 min - 2.7 g - Idaho Gem - 13.8% (9 IBU)  
 2 min - 12.9 g - Idaho Gem - 13.8% (7 IBU)

### Dry Hops

4 days - 15.1 g - Idaho Gem - 13.8%

### Miscellaneous

Mash - 0.82 g - Baking Soda (NaHCO3)  
 ^ Lot # 41190621/3  
 ^ Brouwstore (NL) 003.106.2  
 Mash - 0.51 g - Calcium Chloride (CaCl2) 33 %...  
 ^ Lot # 115038  
 ^ Brouwstore (NL) 055.035.0  
 Mash - 0.51 g - Canning Salt (NaCl)  
 ^ Albert Heijn (NL)  
 Mash - 3.24 g - Gypsum (CaSO4)  
 ^ The Malt Miller (UK) CHE-03-004  
 Mash - 0.8 ml - Lactic Acid 80% 80%  
 ^ Lot # 20200213  
 ^ Brouwstore (NL) 003.002.3

### Yeast

0 ml - Imperial Yeast Flagship A07

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

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

Mash Water : 4.34 L  
 Sparge Water : 4.93 L  
 Boil Time : 60 min  
 Total Water : 9.27 L



12 EBC

Brewhouse Efficiency: 71.8%

Mash Efficiency: 73.3%

### Mash Profile

BIAB, Medium Body  
 72.9 °C - Strike Temp  
 66.7 °C - 60 min - Saccharification

### Fermentation Profile

Ale  
 18.9 °C - 9 days - Primary

### Water Profile

02 NL Spa Reine Flat Mineral Water (www.ah.nl...  
 Ca 93 Mg 2 Na 49 Cl 50 SO 199

SO/Cl ratio: 4

Mash pH: 5.38

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: Ca 83 | Mg 7 | Na 8 | SO4 150 | Cl 58