www.brewfather.app

Never Give Up! v3 - 8.7%

02 PET Bottle 1L (60min) (rev 4) Belgian Golden Strong Ale Brewer: The Thirsty Otter Batch Size : 0.75 L Boil Size : 2.28 L Post-Boil Vol : 0.78 L Type: All Grain IBU : 26 (Tinseth) Mash Water : 0.46 L : 1.97 L BU/GU : 0.36 Sparge Water 7 EBC Colour : 7 EBC Boil Time : 60 min Carbonation : 2.8 CO2-vol Total Water : 2.43 L Pre-Boil Gravity : 1.020 Brewhouse Efficiency: 94.9% Original Gravity : 1.070 Mash Efficiency: 94.9% Total Gravity : 1.073 Mash Profile Final Gravity : 1.007 04 High fermentability (60 min) Fermentables (172 g) 70.9 °C - Strike Temp 152 g - Pils 3.5 EBC (88.4%) 65 °C - 60 min - Temperature ^ Lot # 20210710 ^ Brouwmaatje (NL) 051.002.4 Fermentation Profile 20 g - 10 min - Boil - Sugar, Table (Sucrose)... 01 Ale + DR + Conditioning 18 °C - 10 days - Primary ^ Albert Heijn (NL) 5 g - Bottling - Sugar, Table (Sucrose) 2 EBC 22 °C (2 day ramp) - 4 days - Diacetyl rest 18 °C - 45 days - Conditioning ^ Albert Heijn (NL) Hops (3.4 g) Water Profile 60 min - 0.3 g - Cascade (T90) - 7.5% (10 IBU) NL Spa Reine Flat Mineral Water (www.ah.nl) (... ^ Brouwmaatje (NL) BM-BL.053.148.3/100 Ca 111 Mg 30 Na 137 Cl 274 SO 277 HCO 29 30 min - 0.5 g - Cascade (T90) - 7.5% (12 IBU) ^ Brouwmaatje (NL) BM-BL.053.148.3/100 SO/Cl ratio: 1 15 min - 0.7 g - Saaz - 3.6% (5 IBU) Mash pH: 2.24 ^ Lot # T9020044SAA Sparge pH: 6 ^ Brouwmaatje (NL) BM-HUM.420000 Humlegarden... Measurements Dry Hops 6 days - 1.9 g - Saaz - 3.6% Mash pH: ^ Lot # T9020044SAA ^ Brouwmaatje (NL) BM-HUM.420000 Humlegarden... Boil Volume: Miscellaneous Pre-Boil Gravity: Mash - 0.005 g - Baking Soda (NaHCO3) ^ Lot # 41190621/3 Post-Boil Kettle Volume: ^ Brouwstore (NL) 003.106.2 Mash - 0.107 g - Calcium Chloride (CaCl2) 33... Original Gravity: 1.060 ^ Lot # 115038 ^ Brouwstore (NL) 055.035.0 Fermenter Top-Up: Mash - 0.107 g - Canning Salt (NaCl) ^ Albert Heijn (NL) Fermenter Volume: 0.75 Mash - 0.094 g - Epsom Salt (MgSO4) ^ Lot # /2119000091 Final Gravity: 1.002 ^ Brouwstore (NL) 055.027.7 Mash - 0.094 g - Gypsum (CaSO4) Bottling Volume: ^ Brouwmaatje (NL) Mash - 0.147 ml - Lactic Acid 80% 80%

60 min - Boil - 0.02 g - Lipohop K ^ Lot # LPK110 ^ The Malt Miller (UK) CH-03-013 10 min - Boil - 0.134 g - Trish Moss

Mash - 0.603 l - NL Spa Reine Flat Mineral Water

Sparge - 0.646 l - NL Spa Reine Flat Mineral...

^ Lot # 20200213

^ Lot # 20211005

^ Lot # 20211005

^ AH (NL)

^ AH (NL)

^ Brouwstore (NL) 003.002.3



Batch Notes

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03-07-2022 21:30 Pitched 1 gram Lallemand Abbaye yeast.
Day 0 in fermentation
03-07-2022 21:30 20.4 C, SG = 1.060.
03-07-2022 22:00 18.6 C,
Day 1 in fermentation
04-07-2022 00:00 18.0 C.
04-07-2022 04:00 17.8 C.
04-07-2022 08:00 17.8 C.
04-07-2022 12:00 18.0 C.
04-07-2022 16:00 18.6 C.
04-07-2022 20:00 17.8 C.
Day 2 in fermentation
05-07-2022 00:00 18.5 C.
05-07-2022 04:00 17.8 C.
05-07-2022 08:00 18.4 C.
05-07-2022 12:00 17.9 C.
05-07-2022 16:00 17.9 C.
05-07-2022 20:00 17.9 C.
Day 3 in fermentation
06-07-2022 00:00 17.9 C.
06-07-2022 04:00 18.7 C.
06-07-2022 08:00 17.9 C.
06-07-2022 12:00 18.8 C.
06-07-2022 16:00 18.4 C.
06-07-2022 20:00 17.8 C.
Day 4 in fermentation
07-07-2022 00:00 18.2 C.
07-07-2022 04:00 18.6 C.
07-07-2022 08:00 18.8 C.
07-07-2022 12:00 18.8 C.
07-07-2022 16:00 18.9 C.
07-07-2022 20:00 18.9 C.
Day 5 in fermentation
08-07-2022 00:00 18.9 C.
08-07-2022 04:00 18.9 C.
08-07-2022 08:00 18.5 C.
08-07-2022 12:00 18.3 C.
08-07-2022 16:00 18.3 C.
08-07-2022 20:00 18.8 C.
Day 6 in fermentation
09-07-2022 00:00 17.8 C.
09-07-2022 04:00 18.0 C.
09-07-2022 08:00 18.0 C.
09-07-2022 10:30 Roused the FV.
09-07-2022 12:00 18.2 C.
09-07-2022 16:00 18.7 C.
09-07-2022 20:00 17.8 C.
Day 7 in fermentation
10-07-2022 00:00 17.8 C.
10-07-2022 04:00 17.9 C.
10-07-2022 08:00 17.9 C.
10-07-2022 12:00 17.9 C.
10-07-2022 16:00 18.1 C.
10-07-2022 20:00 18.6 C.
Day 8 in fermentation
11-07-2022 00:00 17.8 C.
11-07-2022 04:00 17.8 C.
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Batch Notes
11-07-2022 08:00 18.0 C.
11-07-2022 08:30 Added 1.86 grams Saaz hops.
11-07-2022 12:00 18.1 C.
11-07-2022 13:30 Roused the FV.
11-07-2022 16:00 18.5 C.
11-07-2022 20:00 18.1 C.
Day 9 in fermentation
12-07-2022 00:00 18.0 C.
12-07-2022 04:00 18.4 C.
12-07-2022 08:00
                 18.4 C.
12-07-2022 12:00 18.6 C.
12-07-2022 16:00 17.9 C.
12-07-2022 20:00 18.7 C.
Day 10 in fermentation
13-07-2022 00:00 18.5 C.
13-07-2022 04:00 17.9 C.
13-07-2022 08:00 18.4 C.
13-07-2022 12:00 17.8 C.
13-07-2022 16:00 18.7 C.
13-07-2022 20:00 18.2 C.
Day 11 in fermentation
14-07-2022 00:00 19.3 C.
14-07-2022 04:00 19.4 C.
14-07-2022 08:00 19.5 C.
14-07-2022 12:00 19.5 C.
14-07-2022 16:00 19.8 C.
14-07-2022 20:00 19.1 C.
Day 12 in fermentation
15-07-2022 00:00 20.1 C.
15-07-2022 04:00 20.1 C.
15-07-2022 08:00 21.0 C.
15-07-2022 12:00
                 20.4 C.
15-07-2022 16:00
                  20.4 C.
15-07-2022 20:00 21.0 C.
Day 13 in fermentation
16-07-2022 00:00 21.0 C.
16-07-2022 04:00
                  20.9 C.
16-07-2022 08:00
                  20.5 C.
16-07-2022 12:00
                 20.3 C.
16-07-2022 16:00 20.3 C.
16-07-2022 20:00 20.3 C.
Day 14 in fermentation
17-07-2022 00:00 20.3 C.
17-07-2022 04:00
                 20.2 C.
17-07-2022 08:00 20.8 C.
17-07-2022 12:00 20.3 C.
17-07-2022 16:00 20.3 C.
17-07-2022 20:00 20.5 C.
Day 15 in fermentation
18-07-2022 00:00 20.9 C.
18-07-2022 04:00 20.9 C.
18-07-2022 08:00 20.9 C.
18-07-2022 12:00 20.9 C.
18-07-2022 16:00 20.9 C.
18-07-2022 20:00 21.7 C.
Day 17 in fermentation
20-07-2022 00:00 19.7 C.
20-07-2022 04:00 19.6 C.
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Batch Notes
20-07-2022 08:00 19.5 C.
20-07-2022 12:00 19.3 C.
20-07-2022 16:00 19.2 C.
20-07-2022 20:00 19.2 C.
Day 18 in fermentation
21-07-2022 00:00 19.1 C.
21-07-2022 04:00 19.8 C.
21-07-2022 08:00 19.2 C.
21-07-2022 12:00 19.7 C.
21-07-2022 16:00 19.0 C.
21-07-2022 20:00 19.3 C.
Day 19 in fermentation
22-07-2022 00:00 19.4 C.
22-07-2022 04:00 19.4 C.
22-07-2022 08:00
                 19.4 C.
22-07-2022 12:00 19.4 C.
22-07-2022 16:00 19.4 C.
22-07-2022 20:15 19.2 C, dp = 0 mm H2O, SG = 1.002, pH = 4.28.
Bottling day
22-07-2022 20:15 Filled 2 Steinie bottles (33 cl).
Day 1 in conditioning
23-07-2022 00:00 19.4 C.
23-07-2022 04:00 19.4 C.
23-07-2022 08:00 19.0 C.
23-07-2022 10:00 18.9 C.
23-07-2022 16:15
                 18.6 C.
23-07-2022 20:00 19.1 C.
Day 2 in conditioning
24-07-2022 00: 00 19.6 C.
24-07-2022 04: 00
                  19.8 C.
24-07-2022 08: 00
                  19.8 C.
24-07-2022 12: 00
                  19.8 C.
24-07-2022 16: 00
                  19.9 C.
24-07-2022 20: 00 19.9 C.
Day 3 in conditioning
25-07-2022 00:00 19.9 C.
25-07-2022 04:00 18.6 C.
25-07-2022 08:00 19.9 C.
25-07-2022 12:00 19.9 C.
25-07-2022 16:00 19.7 C.
25-07-2022 20:00 19.8 C.
Day 4 in conditioning
26-07-2022 00:00 19.7 C.
26-07-2022 04:00 19.9 C.
26-07-2022 08:00 19.9 C.
26-07-2022 12:30 19.9 C.
26-07-2022 16:00 19.9 C.
26-07-2022 20:00 19.9 C.
Day 5 in conditioning
27-07-2022 00:00 19.9 C.
27-07-2022 04:00 19.7 C.
27-07-2022 08:00 19.3 C.
27-07-2022 12:00 19.2 C.
27-07-2022 15:30 19.2 C.
27-07-2022 18:30 19.2 C.
27-07-2022 20:30 19.2 C.
Day 6 in conditioning
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Batch Notes
28-07-2022 01:15 19.2 C.
28-07-2022 04:00 19.0 C.
28-07-2022 08:00 18.5 C.
28-07-2022 11:00
                 18.4 C.
28-07-2022 13:45 18.4 C.
28-07-2022 16:00 18.4 C.
28-07-2022 20:00 18.8 C.
Day 7 in conditioning
29-07-2022 00:00 18.9 C.
29-07-2022 04:00 18.9 C.
29-07-2022 08:00 18.8 C.
29-07-2022 12:00 18.8 C.
29-07-2022 16:00 18.8 C.
29-07-2022 20:00 19.5 C.
Day 8 in conditioning
30-07-2022 00:00 19.8 C.
30-07-2022 04:00 19.8 C.
30-07-2022 08:00 19.8 C.
30-07-2022 12:00 19.7 C.
30-07-2022 16:00 19.9 C.
30-07-2022 20:00 19.7 C.
Day 9 in conditioning
31-07-2022 00:00 19.3 C.
31-07-2022 04:00 19.5 C.
31-07-2022 08:00 19.6 C.
31-07-2022 12:00 19.6 C.
31-07-2022 16:00 19.7 C.
31-07-2022 20:00 19.9 C.
Day 10 in conditioning
01-08-2022 00:00 19.9 C.
01-08-2022 04:00 19.9 C.
01-08-2022 08:00 19.9 C.
01-08-2022 12:00 19.9 C.
01-08-2022 16:00 19.9 C.
01-08-2022 20:00 19.3 C.
Day 11 in conditioning
02-08-2022 00:00 19.5 C.
02-08-2022 04:00 19.5 C.
02-08-2022 08:00 19.3 C.
02-08-2022 12:00 19.1 C.
02-08-2022 16:00 19.4 C.
02-08-2022 20:00 19.9 C.
Day 12 in conditioning
03-08-2022 00:00 19.7 C.
03-08-2022 04:00 19.9 C.
03-08-2022 08:00 19.4 C.
03-08-2022 12:00 19.8 C.
03-08-2022 16:00 19.8 C.
03-08-2022 20:00 19.6 C.
Day 13 in conditioning
04-08-2022 00:00 19.6 C.
04-08-2022 04:00 19.9 C.
04-08-2022 08:00 19.8 C.
04-08-2022 12:00 19.7 C.
04-08-2022 16:00 19.9 C.
04-08-2022 20:00 19.6 C.
Day 14 in conditioning
05-08-2022 00:00 19.6 C.
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Batch Notes 05-08-2022 04:00 19.5 C. 05-08-2022 08:00 19.5 C. 05-08-2022 12:00 19.7 C. 05-08-2022 16:00 19.8 C. 05-08-2022 20:00 19.5 C. Day 15 in conditioning 06-08-2022 00:00 19.7 C. 06-08-2022 04:00 19.6 C. 06-08-2022 08:00 18.9 C. 06-08-2022 12:00 18.8 C. 06-08-2022 16:00 18.9 C. 06-08-2022 20:00 19.1 C. Day 16 in conditioning 07-08-2022 00:00 19.2 C. 07-08-2022 04:00 19.2 C. 07-08-2022 08:00 18.7 C. 07-08-2022 12:00 18.5 C. 07-08-2022 16:00 18.9 C. 07-08-2022 20:00 19.5 C. Day 17 in conditioning 08-08-2022 00:00 19.5 C. 08-08-2022 04:00 19.5 C. 08-08-2022 08:00 19.3 C. 08-08-2022 12:00 19.2 C. 08-08-2022 16:00 19.3 C. 08-08-2022 20:00 19.6 C. Day 18 in conditioning 09-08-2022 00:00 19.7 C. 09-08-2022 04:00 19.7 C. 09-08-2022 08:00 19.6 C. 09-08-2022 12:00 19.5 C. 09-08-2022 16:00 19.7 C. 09-08-2022 20:00 19.8 C. Day 19 in conditioning 10-08-2022 00:00 19.5 C. 10-08-2022 04:00 19.7 C. 10-08-2022 08:00 19.7 C. 10-08-2022 12:00 19.7 C. 10-08-2022 16:00 19.4 C. 10-08-2022 20:00 19.4 C. Day 20 in conditioning 11-08-2022 00:00 19.3 C. 11-08-2022 04:00 19.8 C. 11-08-2022 08:00 19.9 C. 11-08-2022 12:00 19.5 C. 11-08-2022 16:00 19.7 C. 11-08-2022 20:00 19.2 C. Day 21 in conditioning 12-08-2022 00:00 19.8 C. 12-08-2022 04:00 19.8 C. 12-08-2022 08:00 19.5 C. 12-08-2022 12:00 19.4 C. 12-08-2022 16:00 20.0 C. 12-08-2022 20:00 20.0 C. Day 22 in conditioning 13-08-2022 00:00 20.0 C. 13-08-2022 04:00 19.5 C. 13-08-2022 08:00 19.5 C.



Batch Notes 13-08-2022 12:00 19.4 C. 13-08-2022 16:00 19.8 C. 13-08-2022 20:00 19.9 C. Day 23 in conditioning 14-08-2022 00:00 19.8 C. 14-08-2022 04:00 19.4 C. 14-08-2022 08:00 19.4 C. 14-08-2022 12:00 19.5 C. 14-08-2022 16:00 19.4 C. 14-08-2022 20:00 19.9 C. Day 24 in conditioning 15-08-2022 00:00 19.9 C. 15-08-2022 04:00 19.7 C. 15-08-2022 08:00 19.9 C. 15-08-2022 12:00 19.6 C. 15-08-2022 16:00 19.3 C. 15-08-2022 20:00 19.6 C. Day 25 in conditioning 16-08-2022 00:00 19.8 C. 16-08-2022 04:00 19.8 C. 16-08-2022 08:00 19.5 C. 16-08-2022 12:00 19.9 C. 16-08-2022 16:00 19.6 C. 16-08-2022 20:00 18.5 C. Day 26 in conditioning 17-08-2022 00:00 18.7 C. 17-08-2022 04:00 19.9 C. 17-08-2022 08:00 19.7 C. 17-08-2022 12:00 19.7 C. 17-08-2022 16:00 19.5 C. 17-08-2022 20:00 19.7 C. Day 27 in conditioning 18-08-2022 00:00 19.9 C. 18-08-2022 04:00 19.9 C. 18-08-2022 08:00 19.9 C. 18-08-2022 12:00 19.9 C. 18-08-2022 16:00 19.6 C. 18-08-2022 20:00 19.5 C. Day 28 in conditioning 19-08-2022 00:00 19.8 C. 19-08-2022 04:00 19.9 C. 19-08-2022 08:00 19.9 C. 19-08-2022 12:00 19.9 C. 19-08-2022 16:00 19.5 C. 19-08-2022 20:00 18.7 C. Day 29 in conditioning 20-08-2022 00:00 19.8 C. 20-08-2022 04:00 19.9 C. 20-08-2022 08:00 19.9 C. 20-08-2022 12:00 19.9 C. 20-08-2022 16:00 19.5 C. 20-08-2022 20:00 19.9 C. Day 30 in conditioning 21-08-2022 00:00 19.4 C. 21-08-2022 04:00 19.4 C. 21-08-2022 08:00 19.4 C. 21-08-2022 12:00 19.3 C.

21-08-2022 16:00 19.3 C.



Batch Notes

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21-08-2022 20:00 19.5 C.
Day 31 in conditioning
22-08-2022 00:00 19.7 C.
22-08-2022 04:00 19.7 C.
22-08-2022 08:00 19.7 C.
22-08-2022 12:00 19.7 C.
22-08-2022 16:00 19.7 C.
22-08-2022 20:00 19.4 C.
Day 32 in conditioning
23-08-2022 00:00 19.9 C.
23-08-2022 04:00 19.4 C.
23-08-2022 08:00 19.4 C.
23-08-2022 12:00 19.7 C.
23-08-2022 16:00 19.5 C.
23-08-2022 20:00 19.9 C.
Day 33 in conditioning
24-08-2022 00:00 19.8 C.
24-08-2022 04:00 19.9 C.
24-08-2022 08:00 19.5 C.
24-08-2022 12:00 19.9 C.
24-08-2022 16:00 19.7 C.
24-08-2022 20:00 19.9 C.
Day 34 in conditioning
25-08-2022 00:00 19.8 C.
25-08-2022 04:00 19.6 C.
25-08-2022 08:00 19.7 C.
25-08-2022 12:00 19.8 C.
25-08-2022 16:00 19.8 C.
25-08-2022 20:00 19.7 C.
Day 35 in conditioning
26-08-2022 00:00 19.9 C.
26-08-2022 04:00 19.4 C.
26-08-2022 08:00 19.2 C.
26-08-2022 12:00 19.9 C.
26-08-2022 16:00 19.9 C.
26-08-2022 20:00 19.9 C.
Day 36 in conditioning
27-08-2022 00:00 19.7 C.
27-08-2022 04:00 19.7 C.
27-08-2022 08:00 19.7 C.
27-08-2022 12:00 19.5 C.
27-08-2022 16:00 19.5 C.
27-08-2022 20:00 19.6 C.
Day 37 in conditioning
28-08-2022 00:00 19.6 C.
28-08-2022 04:00 19.6 C.
28-08-2022 08:00 19.2 C.
28-08-2022 12:00 19.1 C.
28-08-2022 16:00 19.1 C.
28-08-2022 20:00 19.3 C.
Day 38 in conditioning
29-08-2022 00:00 19.4 C.
29-08-2022 04:00 19.4 C.
29-08-2022 08:00 19.2 C.
29-08-2022 12:00 19.0 C.
29-08-2022 16:00 19.0 C.
29-08-2022 20:00 19.1 C.
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Batch Notes

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Day 39 in conditioning
30-08-2022 00:00 19.2 C.
30-08-2022 04:00 19.2 C.
30-08-2022 08:00 19.2 C.
30-08-2022 12:00 19.2 C.
30-08-2022 16:00 19.2 C.
30-08-2022 20:00 19.6 C.
Day 40 in conditioning
31-08-2022 00:00 19.8 C.
31-08-2022 04:00 19.8 C.
31-08-2022 08:00 19.7 C.
31-08-2022 12:00 19.4 C.
31-08-2022 16:00 19.4 C.
31-08-2022 20:00 19.5 C.
Day 41 in conditioning
01-09-2022 00:00 19.7 C.
01-09-2022 04:00 19.7 C.
01-09-2022 08:00 19.5 C.
01-09-2022 12:00 19.2 C.
01-09-2022 16:00 19.2 C.
01-09-2022 20:00 19.5 C.
Day 42 in conditioning
02-09-2022 00:00 19.7 C.
02-09-2022 04:00 19.7 C.
02-09-2022 08:00 19.6 C.
02-09-2022 12:00 19.3 C.
02-09-2022 16:00 19.3 C.
02-09-2022 20:00 19.7 C.
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Extra Measured Values

Strike Water Temperature

Strike Water pH

Sparge Water Temperature

Sparge Water pH

Pitch Temperature 20.4

Batch Log	
3 July 2022	Brew Date
3 July 2022	Fermentation Start
3 July 2022 15:30	Status: Fermenting
3 July 2022 21:30	SV = 17.0 C.
3 July 2022 21:50	SV = 18.0 C.
11 July 2022 08:30	Added 1.86 grams Saaz hop pellets for dry hopping.
13 July 2022 20:43	SV = 18.5 C.
13 July 2022 22:38	SV = 19.0 C.
14 July 2022 20:18	SV = 20.0 C.



Batch Log	
15 July 2022 06:13	SV = 21.0 C.
19 July 2022 16:23	SV = 19.0 C.
22 July 2022 20:15	Filled 2 Steinie bottles (33 cl).
22 July 2022	Bottling Date
2 September 2022 23:59	Status: Completed

Taste

3.0 / 5.0