

A2 AnOtter Bodged Bitter v2 - 3.9% Ordinary Bitter 02 PET Bottle 1.5L (60min) (rev 4) : 1.2 L Brewer: The Thirsty Otter Batch Size Boil Size : 3.68 L Post-Boil Vol : 1.87 L Type: All Grain IBU : 33 (Tinseth) Mash Water : 0.75 L BU/GU : 0.88 Sparge Water : 3.17 L **13 EBC** Colour : 13 EBC Boil Time : 60 min Carbonation : 1.8 CO2-vol Total Water : 3.92 L Pre-Boil Gravity : 1.017 Brewhouse Efficiency: 52.7% Original Gravity : 1.036 Mash Efficiency: 79.1% Total Gravity : 1.037 Mash Profile Final Gravity : 1.007 01 One Step Mash (75 min) Fermentables (263 g) 72.2 °C - Strike Temp 173 g - Maris Otter Malt 6 EBC (65.7%) 66 °C - 75 min - Temperature ^ Lot # 2500001777621 ^ Brouwmaatje (NL) BM-BL.051.513.2/1 Fermentation Profile 45 g - Pils 3.5 EBC (17.1%) 01 Ale + DR + Conditioning ^ Lot # 20210710 18 °C - 10 days - Primary ^ Brouwmaatje (NL) 051.002.4 21 °C - 4 days - Diacetyl rest 18 °C - 14 days - Carbonation 15 g - Chateau Crystal 150 EBC (5.7%) 18 °C - 28 days - Conditioning ^ Lot # 2500005818412 ^ Brouwmaatje (NL) BM-BL. 051.619.25/1 Water Profile 12 g - 10 min - Boil - Brown Sugar, Light 15.... 02 NL Spa Reine Flat Mineral Water (www.ah.nl... 9 g - Flaked Maize 3 EBC (3.5%) Ca 117 Mg 32 Na 101 Cl 161 SO 340 ^ Lot # 211407666045 ^ Brouwmaatje (NL) BM-BL.051.158.4/1 SO/Cl ratio: 2.1 9 g - Wheat Malt 5.5 EBC (3.5%) ^ Lot # 20210909 Mash pH: 4.85 ^ Brouwmaatje (NL) 051.125.3 Sparge pH: 6 4 g - Bottling - Sugar, Table (Sucrose) 2 EBC ^ Albert Heijn (NL) Measurements Hops (5.8 g) Mash pH: 30 min - 1.2 g - Bramling Cross (Whole) - 5%... Boil Volume: ^ Lot # 20220903 ^ Home grown by The Thirsty Otter 30 min - 1.2 g - East Kent Goldings - 5.4% (1... Pre-Boil Gravity: ^ Hopeye (GB) HE-50G-HOPS-EASTKENTGOLDINGS (5... 15 min - 1.2 g - Bramling Cross (Whole) - 5%... Post-Boil Kettle Volume: ^ Lot # 20220903 ^ Home grown by The Thirsty Otter Original Gravity: 1.044 15 min - 1.2 g - East Kent Goldings - 5.4% (7... ^ Hopeye (GB) HE-50G-HOPS-EASTKENTGOLDINGS (5... Fermenter Top-Up: Hop Stand Fermenter Volume: 1.2 20 min hopstand @ 80 °C 20 min - 1 g - East Kent Goldings - 5.4% (1 IBU) Final Gravity: 1.007 ^ Hopeye (GB) HE-50G-HOPS-EASTKENTGOLDINGS (5... Bottling Volume: 0.66 Miscellaneous Mash - 0.062 g - Baking Soda (NaHCO3) ^ Lot # 41190621/3 ^ Brouwstore (NL) 003.106.2 Mash - 0.148 g - Calcium Chloride (CaCl2) 33...

^ Brouwstore (NL) 055.027.7 Mash - 0.33 g - Gypsum (CaSO4)

Mash - 0.165 g - Canning Salt (NaCl)

Mash - 0.253 g - Epsom Salt (MgSO4)

^ Brouwstore (NL) 055.035.0

^ Lot # 115038

^ Albert Heijn (NL)

^ Lot # /2119000091



Recipe Notes

Target: ABV = 4.2 %, IBU = 28, EBC = 7, OG = 1.036, FG = 1.004.

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04-02-2023 11:00 Milled the malt @ 1.40 mm gap.
Brew day
05-02-2023 15:42 Added 0.99 grams EKG pellet hops @ 84 C.
05-02-2023 19:30 SG = 1.040 @ 35.6 C --> SG = 1.044 @ 20C.
Day 0 in fermentation
06-02-2023 07:41 17.1 C.
06-02-2023 10:00 17.7 C. 06-02-2023 12:00 18.0 C.
06-02-2023 17:00 18.5 C.
06-02-2023 21:00 17.9 C.
Day 1 in fermentation
07-02-2023 00:00 17.3 C.
07-02-2023 04:00 16.9 C.
07-02-2023 07:45 17.0 C.
07-02-2023 11:45 17.3 C.
07-02-2023 16:00 17.4 C.
07-02-2023 17:45 17.4 C.
07-02-2023 20:00 17.7 C.
07-02-2023 22:00 17.7 C.
Day 2 in fermentation
08-02-2023 19:23 16.9 C.
Day 3 in fermentation
09-02-2023 06:30 17.4 C. 09-02-2023 17:15 17.0 C.
09-02-2023 20:00 16.8 C.
Day 4 in fermentation
10-02-2023 07:30 17.3 C.
10-02-2023 17:30 17.7 C.
Day 5 in fermentation
11-02-2023 08:00 18.4 C.
11-02-2023 17:15 17.1 C.
11-02-2023 22:00 18.4 C.
Day 6 in fermentation
12-02-2023 09:00 18.4 C.
12-02-2023 16:00 17.5 C.
12-02-2023 22:00 17.6 C.
Day 7 in fermentation
13-02-2023 09:00 18.4 C.
13-02-2023 13:00 17.0 C.
13-02-2023 18:00 17.7 C.
Day 8 in fermentation
14-02-2023 08:00 17.0 C.
14-02-2023 17:30 18.4 C.
14-02-2023 22:30 16.9 C.
Day 9 in fermentation
15-02-2023 18:00 18.3 C.
15-02-2023 23:00 16.9 C.
Day 10 in fermentation
16-02-2023 00:00 17.9 C.
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Batch Notes
16-02-2023 04:00 17.8 C.
16-02-2023 08:00 20.0 C.
16-02-2023 12:00 18.8 C.
16-02-2023 16:00
                  20.4 C.
16-02-2023 20:00 20.2 C.
Day 11 in fermentation
17-02-2023 08:00 20.3 C.
17-02-2023 19:00 19.4 C.
17-02-2023 22:30 20.3 C.
Day 12 in fermentation
18-02-2023 10:00 18.9 C.
18-02-2023 17:00 20.4 C.
Day 13 in fermentation
19-02-2023 00:00 20.0 C.
19-02-2023 04:00
                 20.3 C.
19-02-2023 08:00 19.5 C.
19-02-2023 12:00 18.9 C.
19-02-2023 13:30 15.7 C, SG = 1.007, pH = 4.29.
Day 0 in conditioning
19-02-2023 18:00 Moved bottles into the brew fridge.
19-02-2023 20:00 18.0 C.
Day 1 in conditioning
20-02-2023 00:00 17.6 C.
20-02-2023 04:00 18.2 C.
20-02-2023 08:00 17.5 C.
20-02-2023 12:00 18.5 C.
20-02-2023 16:00 17.5 C.
20-02-2023 20:00 18.4 C.
Day 2 in conditioning
21-02-2023 00:00 17.7 C.
21-02-2023 04:00 18.1 C.
21-02-2023 08:00 17.9 C.
21-02-2023 12:00 17.6 C.
21-02-2023 16:00 18.5 C.
21-02-2023 20:00 17.5 C.
Day 3 in conditioning
22-02-2023 00:00 18.5 C.
22-02-2023 04:00 17.5 C.
22-02-2023 08:00 18.5 C.
22-02-2023 12:00 17.4 C.
22-02-2023 16:00 18.5 C.
22-02-2023 20:00 17.4 C.
Day 4 in conditioning
23-02-2023 00:00 18.3 C.
23-02-2023 04:00 17.6 C.
23-02-2023 08:00 18.1 C.
23-02-2023 12:00 18.0 C.
23-02-2023 16:00 17.4 C.
23-02-2023 20:00 18.3 C.
Day 5 in conditioning
24-02-2023 00:00 17.5 C.
24-02-2023 04:00 18.3 C.
24-02-2023 08:00 17.3 C.
24-02-2023 12:00 18.2 C.
24-02-2023 16:00 17.4 C.
24-02-2023 20:00 18.4 C.
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Day 6 in conditioning
25-02-2023 00:00 17.5 C.
25-02-2023 04:00 18.3 C.
25-02-2023 08:00 17.5 C.
25-02-2023 12:00 18.1 C.
25-02-2023 16:00 17.5 C.
25-02-2023 20:00 18.5 C.
Day 7 in conditioning
26-02-2023 00:00 17.5 C.
26-02-2023 04:00 18.1 C.
26-02-2023 08:00 17.4 C.
26-02-2023 12:00 17.5 C.
26-02-2023 16:00 18.5 C.
26-02-2023 20:00 17.5 C.
Day 8 in conditioning
27-02-2023 00:00 18.5 C.
27-02-2023 04:00 17.5 C.
27-02-2023 08:00 18.1 C.
27-02-2023 12:00 17.9 C.
27-02-2023 16:00 17.9 C.
27-02-2023 20:00 17.5 C.
Day 9 in conditioning
28-02-2023 00:00 17.9 C.
28-02-2023 04:00 17.5 C.
28-02-2023 08:00 17.6 C.
28-02-2023 12:00 18.5 C.
28-02-2023 16:00 17.7 C.
28-02-2023 20:00 17.9 C.
Day 10 in conditioning
01-03-2023 00:00 18.0 C.
01-03-2023 04:00 17.9 C.
01-03-2023 08:00 17.4 C.
01-03-2023 12:00 17.9 C.
01-03-2023 16:00 17.5 C.
01-03-2023 20:00 18.3 C.
Day 11 in conditioning
02-03-2023 00:00 17.3 C.
02-03-2023 04:00 18.2 C.
02-03-2023 08:00 17.4 C.
02-03-2023 12:00 17.8 C.
02-03-2023 16:00 17.7 C.
02-03-2023 20:00 18.4 C.
Day 12 in conditioning
03-03-2023 00:00 17.4 C.
03-03-2023 04:00 18.2 C.
03-03-2023 08:00 17.4 C.
03-03-2023 12:00 18.1 C.
03-03-2023 16:00 17.5 C.
03-03-2023 20:00 18.5 C.
Day 13 in conditioning
04-03-2023 00:00 17.5 C.
04-03-2023 04:00 17.8 C.
04-03-2023 08:00 18.0 C.
04-03-2023 12:00 17.4 C.
04-03-2023 16:00 18.5 C.
04-03-2023 20:00 17.5 C.
Day 14 in conditioning
05-03-2023 00:00 18.5 C.
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Batch Notes 05-03-2023 04:00 17.4 C. 05-03-2023 08:00 18.5 C. 05-03-2023 12:00 17.4 C. 05-03-2023 16:00 18.1 C. 05-03-2023 20:00 17.8 C. Day 15 in conditioning 06-03-2023 00:00 17.5 C. 06-03-2023 04:00 17.8 C. 06-03-2023 08:00 17.5 C. 06-03-2023 12:00 17.7 C. 06-03-2023 16:00 17.7 C. 06-03-2023 20:00 18.0 C. Day 16 in conditioning 07-03-2023 00:00 17.5 C. 07-03-2023 04:00 18.1 C. 07-03-2023 08:00 17.4 C. 07-03-2023 12:00 18.0 C. 07-03-2023 16:00 17.5 C. 07-03-2023 20:00 18.1 C. Day 17 in conditioning 08-03-2023 00:00 17.4 C. 08-03-2023 04:00 17.8 C. 08-03-2023 08:00 18.5 C. 08-03-2023 12:00 17.3 C. 08-03-2023 16:00 18.0 C. 08-03-2023 20:00 17.3 C. Day 18 in conditioning 09-03-2023 00:00 17.5 C. 09-03-2023 04:00 18.3 C. 09-03-2023 08:00 17.3 C. 09-03-2023 12:00 17.6 C. 09-03-2023 16:00 18.4 C. 09-03-2023 20:00 17.3 C. Day 19 in conditioning 10-03-2023 00:00 17.8 C. 10-03-2023 04:00 18.5 C. 10-03-2023 08:00 17.3 C. 10-03-2023 12:00 18.0 C. 10-03-2023 16:00 17.6 C. 10-03-2023 20:00 17.2 C. Day 20 in conditioning 11-03-2023 00:00 17.9 C. 11-03-2023 04:00 18.4 C. 11-03-2023 08:00 17.3 C. 11-03-2023 12:00 17.3 C. 11-03-2023 16:00 17.5 C. 11-03-2023 20:00 17.7 C. Day 21 in conditioning 12-03-2023 00:00 17.5 C. 12-03-2023 04:00 17.6 C. 12-03-2023 08:00 17.5 C. 12-03-2023 12:00 17.8 C. 12-03-2023 16:00 17.6 C. 12-03-2023 20:00 18.2 C. Day 22 in conditioning 13-03-2023 00:00 17.9 C. 13-03-2023 04:00 17.8 C. 13-03-2023 08:00 18.5 C.



Batch Notes 13-03-2023 12:00 17.6 C. 13-03-2023 16:00 18.0 C. 13-03-2023 20:00 18.5 C. Day 23 in conditioning 14-03-2023 00:00 17.6 C. 14-03-2023 04:00 18.4 C. 14-03-2023 08:00 17.9 C. 14-03-2023 12:00 17.9 C. 14-03-2023 16:00 18.3 C. 14-03-2023 20:00 17.5 C. Day 24 in conditioning 15-03-2023 00:00 18.1 C. 15-03-2023 04:00 18.3 C. 15-03-2023 08:00 18.3 C. 15-03-2023 12:00 17.7 C. 15-03-2023 16:00 18.0 C. 15-03-2023 20:00 18.4 C. Day 25 in conditioning 16-03-2023 00:00 17.5 C. 16-03-2023 04:00 18.1 C. 16-03-2023 08:00 18.5 C. 16-03-2023 12:00 17.5 C. 16-03-2023 16:00 18.1 C. 16-03-2023 20:00 18.0 C. Day 26 in conditioning 17-03-2023 00:00 17.7 C. 17-03-2023 04:00 18.4 C. 17-03-2023 08:00 17.7 C. 17-03-2023 12:00 18.0 C. 17-03-2023 16:00 18.5 C. 17-03-2023 20:00 17.9 C. Day 27 in conditioning 18-03-2023 00:00 17.5 C. 18-03-2023 04:00 18.3 C. 18-03-2023 08:00 18.2 C. 18-03-2023 12:00 17.5 C. 18-03-2023 16:00 18.2 C. 18-03-2023 20:00 18.5 C. Day 28 in conditioning 19-03-2023 00:00 18.2 C. 19-03-2023 04:00 17.8 C. 19-03-2023 08:00 18.5 C. 19-03-2023 12:00 17.9 C. 19-03-2023 16:00 17.5 C. 19-03-2023 20:00 18.0 C. Day 29 in conditioning 20-03-2023 00:00 18.3 C. 20-03-2023 04:00 17.5 C. 20-03-2023 08:00 18.2 C. 20-03-2023 12:00 17.8 C. 20-03-2023 16:00 17.7 C. 20-03-2023 20:00 18.3 C. Day 30 in conditioning 21-03-2023 00:00 18.1 C. 21-03-2023 04:00 17.5 C. 21-03-2023 08:00 18.4 C. 21-03-2023 12:00 17.9 C.

21-03-2023 16:00 17.8 C.



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21-03-2023 20:00 18.5 C.
Day 31 in conditioning
22-03-2023 00:00 18.0 C.
22-03-2023 04:00 17.7 C.
22-03-2023 08:00 18.4 C.
22-03-2023 12:00 18.1 C.
22-03-2023 16:00 17.5 C.
22-03-2023 20:00 18.3 C.
Day 32 in conditioning
23-03-2023 00:00 18.3 C.
23-03-2023 04:00 17.6 C.
23-03-2023 08:00 18.1 C.
23-03-2023 12:00 18.4 C.
23-03-2023 16:00 18.0 C.
23-03-2023 20:00 17.9 C.
Day 33 in conditioning
24-03-2023 00:00 17.5 C.
24-03-2023 04:00 18.1 C.
24-03-2023 08:00 18.6 C.
24-03-2023 12:00 17.7 C.
24-03-2023 16:00 17.5 C.
24-03-2023 20:00 17.8 C.
Day 34 in conditioning
25-03-2023 00:00 18.4 C.
25-03-2023 04:00 18.2 C.
25-03-2023 08:00
                 17.8 C.
25-03-2023 12:00 18.4 C.
25-03-2023 16:00 18.3 C.
25-03-2023 20:00 17.7 C.
Day 35 in conditioning
26-03-2023 00:00 17.8 C.
26-03-2023 04:00 18.0 C.
26-03-2023 08:00 18.5 C.
26-03-2023 12:00 17.6 C.
26-03-2023 16:00 17.9 C.
26-03-2023 20:00 18.5 C.
Day 36 in conditioning
27-03-2023 00:00 17.8 C.
27-03-2023 04:00 17.7 C.
27-03-2023 08:00 18.0 C.
27-03-2023 12:00 18.4 C.
27-03-2023 16:00 18.0 C.
27-03-2023 20:00 17.7 C.
Day 37 in conditioning
28-03-2023 00:00 18.2 C.
28-03-2023 04:15 18.5 C.
28-03-2023 08:00 18.5 C.
28-03-2023 12:00 18.2 C.
28-03-2023 16:00 17.5 C.
28-03-2023 20:00 17.8 C.
Day 38 in conditioning
29-03-2023 00:00 18.4 C.
29-03-2023 04:00 18.1 C.
29-03-2023 08:00 17.5 C.
29-03-2023 12:00 17.9 C.
29-03-2023 16:00 18.5 C.
29-03-2023 20:00 18.1 C.
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Day 39 in conditioning
30-03-2023 00:00 17.6 C.
30-03-2023 03:00 17.6 C.
30-03-2023 08:00 18.5 C.
30-03-2023 12:00 17.8 C.
30-03-2023 16:00 17.6 C.
30-03-2023 20:00 17.7 C.
Day 40 in conditioning
31-03-2023 00:00 17.6 C.
31-03-2023 04:00 18.3 C.
31-03-2023 08:00 18.4 C.
31-03-2023 12:00 17.9 C.
31-03-2023 16:00 17.5 C.
31-03-2023 20:00 18.2 C.
Day 41 in conditioning
01-04-2023 00:00 18.5 C.
01-04-2023 04:00 18.1 C.
01-04-2023 08:00 17.5 C.
01-04-2023 12:00 18.5 C.
01-04-2023 16:00 18.1 C.
01-04-2023 20:00 17.7 C.
Day 42 in conditioning
02-04-2023 00:00 17.8 C.
02-04-2023 04:00 18.5 C.
02-04-2023 08:00 17.7 C.
02-04-2023 12:00 17.8 C.
02-04-2023 16:00 18.4 C.
02-04-2023 20:00 18.0 C.
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Extra Measured Values	
Strike Water Temperature	71.6
Strike Water pH	5.93
Sparge Water Temperature	72
Sparge Water pH	6
Pitch Temperature	17.1

Batch Log		
5 February 2023	Brew Date	
5 February 2023 10:00	Status: Brewing	
6 February 2023 07:30	SV = 18.0 C.	
6 February 2023 07:41	Pitched 1.00 grams of yeast.	
6 February 2023	Fermentation Start	
15 February 2023 23:00	SV = 19.0 C.	
16 February 2023 08:00	SV = 20.0 C.	
19 February 2023 13:30	Filled 2 Steinie bottles (33cl).	
19 February 2023	Bottling Date	



Batch Log	
19 February 2023 21:41	SV = 18.5 C.
2 April 2023 23:59	Status: Completed