

09 SMaSH Sabro - 6.6%

^ Brouwstore (NL)

10 min - Boil - 1 items - Wort Chiller

Bottling - 13 items - 33 cl Steinie bottle (s...

^ Brouwstore (NL) 057.020.20

^ Brouwstore (NL) 017.500.0

Specialty IPA 01 Brouwpunt 5L (60min) (rev 4) : 5.6 L Brewer: The Thirsty Otter Batch Size Boil Size : 7.76 L Post-Boil Vol : 5.96 L Type: All Grain IBU : 69 (Tinseth) Mash Water : 4.5 L BU/GU : 1.1 Sparge Water : 4.82 L **10 EBC** : 10 EBC Boil Time Colour : 60 min Carbonation : 2.6 CO2-vol Total Water : 9.32 L : 1.047 Brewhouse Efficiency: 71.8% Pre-Boil Gravity Original Gravity : 1.061 Mash Efficiency: 73.3% Total Gravity : 1.063 Mash Profile Final Gravity : 1.013 10 American DIPA (75 min) Fermentables (1.5 kg) 67.6 °C - Strike Temp 1.5 kg - Golden Promise Pale Ale Malt 5 EBC (... 62 °C - 45 min - Stir frequently ^ Lot # 694-201130-111430-176081-1/1 68 °C - 30 min - Stir frequently ^ The Malt Miller (UK) MAL-00-034 30 g - Bottling - Sugar, Table (Sucrose) 2 EBC Fermentation Profile ^ Albert Heijn (NL) 01 Ale + DR + Conditioning 17 °C - 10 days - Primary 21 °C - 4 days - Diacetyl rest Hops (44.4 g) 15 min - 6.4 g - Sabro (T90) - 14.8% (25 IBU) 17 °C - 14 days - Carbonation 15 °C - 28 days - Conditioning ^ Lot # 694-201130-111430-176081-HOP-05-024-R... ^ The Malt Miller (UK) HOP-05-024 10 min - 6.4 g - Sabro (T90) - 14.8% (20 IBU) Water Profile ^ Lot # 694-201130-111430-176081-HOP-05-024-R... NL Spa Reine Flat Mineral Water (www.ah.nl) (... ^ The Malt Miller (UK) HOP-05-024 Ca 100 Mg 11 Na 3 Cl 134 SO 93 5 min - 6.4 g - Sabro (T90) - 14.8% (14 IBU) ^ Lot # 694-201130-111430-176081-HOP-05-024-R... SO/Cl ratio: 0.7 ^ The Malt Miller (UK) HOP-05-024 Mash pH: 5.41 Sparge pH: 6 Hop Stand 20 min hopstand @ 80 °C Measurements 20 min 80 °C - 12.6 g - Sabro (T90) - 14.8% (... Mash pH: 5.38 Dry Hops Boil Volume: 8 7 days - 12.6 g - Sabro (T90) - 14.8% Miscellaneous Pre-Boil Gravity: 1.043 Mash - 5.83 g - Calcium Chloride (CaCl2) 33 %... ^ Lot # 115038 Post-Boil Kettle Volume: 6.51 ^ Brouwstore (NL) 055.035.0 Mash - 0.86 g - Epsom Salt (MgSO4) Original Gravity: 1.060 ^ Lot # /2119000091 ^ Brouwstore (NL) 055.027.7 Fermenter Top-Up: Mash - 0.88 g - Gypsum (CaSO4) Fermenter Volume: 5.5 ^ Brouwmaatje (NL) Mash - 4.5 l - NL Spa Reine Flat Mineral Water ^ Lot # 20210413 Final Gravity: 1.005 ^ AH (NL) Sparge - 4.5 l - NL Spa Reine Flat Mineral Water Bottling Volume: 4.33 ^ Lot # 20210413 ^ AH (NL) 60 min - Boil - 0.15 g - Lipohop K ^ Lot # LPK110 ^ The Malt Miller (UK) CH-03-013 10 min - Boil - 1 g - Irish Moss ^ Lot # 4348



Recipe Notes

Malt is ordered with standard crush @ The Malt Miller (https://www.themaltmiller.co.uk/).

Batch Notes

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Brew day
08-08-2021 11:45 added 5.83 gram Calciumchloride.
                 added 0.86 gram Epsom salt.
08-08-2021 11:47
08-08-2021 11:49 added 0.88 gram Gypsum.
08-08-2021 11:50 strike water pH = 6.14 @ 18.4 C.
08-08-2021 11:59 dough in.
08-08-2021 12:05 mash pH = 5.45 @ 41.9 C.
08-08-2021 12:10 mash pH = 5.38 @ 41.9 C.
08-08-2021 12:22 mash pH = 5.40 @ 38.1 C.
08-08-2021 12:30 mash pH = 5.42 @ 37.6 C.
08-08-2021 12:47 mash pH = 5.38 @ 39.9 C.
08-08-2021 12:57 mash pH = 5.38 @ 38.5 C.
08-08-2021 13:12 mash pH = 5.35 @ 40.5 C.
08-08-2021 13:37 mash pH = 5.35 @ 39.0 C.
08-08-2021 14:00 first runnings SG = 1.072 @ 48.2 C --> 1.082 @ 20 C.
08-08-2021 14:05 mash pH = 5.38 @ 41.9 C.
08-08-2021 14:06 batch sparged with 4.5 L water @ 69 C.
08-08-2021 14:35 collected 16 cm wort --> 8.0 L
08-08-2021 14:41 SG = 1.035 @ 44.1 C --> 1.043 @ 20 C.
08-08-2021 14:52 added 0.14 grams Lipohop-K.
08-08-2021 15:04 start boil.
08-08-2021 15:49 added 6.40 gram Sabro @ 45 minutes.
08-08-2021 15:54 added 6.38 gram Sabro @ 50 minutes.
08\text{-}08\text{-}2021\ 15\text{:}54 added 1.00 gram Irish moss @ 50 minutes.
08-08-2021 15:54 added wort chiller @ 50 minutes.
08-08-2021 15:59 added 6.40 gram Sabro @ 55 minutes.
08\text{-}08\text{-}2021 15:59 % \left( 100\right) =0 added temperature probe @ 55 minutes.
08-08-2021 16:04 flame out.
08-08-2021 16:25 start hopstand @ 81.0 C.
08-08-2021 16:25 added 12.6 grams Sabro.
08-08-2021 16:45 end hopstand @ 71.5 C.
08-08-2021 17:10 cooled down to 26.2 C with immersion cooler and 15 L tap water.
08-08-2021 17:14 post boil volume = 13.2 cm --> 6.51 L (cold).
08-08-2021 17:18 post boil SG = 1.060 @ 25 C.
08-08-2021 17:25 pH = 5.31 @ 25.1 C.
08-08-2021 20:30 pitched 7.02 grams Lallemand New England yeast @ 17.7 C.
Day 0 in fermentation
08-08-2021 20:30 17.7 C, dp = 0 mm H2O, SG = 1.060, pH = 5.31.
08-08-2021 23:47 16.8 C, dp = 5 mm H2O, no bubbles.
Day 1 in fermentation
09-08-2021 08:41 16.8 C, dp = 5 mm H2O, no bubbles.
09-08-2021 12:51 17.0 C, dp = 5 mm H2O, no bubbles.
09-08-2021 18:22 17.3 C, dp = 5 mm H2O, no bubbles.
09-08-2021 23:42 17.8 C, dp = 5 mm H2O, no bubbles.
Day 2 in fermentation
10-08-2021 08:18 17.0 C, dp = 5 mm H2O, no bubbles, 7 mm Krausen.
10-08-2021 12:28 17.4 C, dp = 5 mm H2O, no bubbles, 7 mm Krausen.
10-08-2021 16:46 16.9 C, dp = 11 mm H2O, no bubbles, 12 mm Krausen.
10-08-2021 19:43 17.3 C, dp = 5 mm H2O, no bubbles, 10 mm Krausen.
10-08-2021 23:11 16.9 C, dp = 0 mm H2O, no bubbles, 10 mm Krausen.
Day 3 in fermentation
11-08-2021 08:53 17.6 C, dp = 0 mm H2O, no bubbles.
11-08-2021 12:50 16.8 C, dp = 0 mm H2O, no bubbles.
11-08-2021 15:35 17.1 C, dp = 0 mm H2O, no bubbles.
11-08-2021 23:08 17.0 C, dp = 0 mm H2O, no bubbles.
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Day 4 in fermentation



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Batch Notes
12-08-2021 08:29 17.9 C, dp = 0 mm H2O, no bubbles.
12-08-2021 19:20 16.8 C, dp = 0 mm H2O, no bubbles.
12-08-2021 22:59 17.4 C, dp = 0 mm H2O, no bubbles.
Day 5 in fermentation
13-08-2021 08:53 16.9 C, dp = 0 mm H2O, no bubbles.
13-08-2021 17:20 17.9 C, dp = 0 mm H2O, no bubbles.
13-08-2021 23:52 17.0 C, dp = 0 mm H2O, no bubbles.
Day 6 in fermentation
14-08-2021 09:41 17.5 C, dp = 0 mm H20, no bubbles. 14-08-2021 14:52 17.8 C, dp = 0 mm H20, no bubbles.
14-08-2021 21:20 17.2 C, dp = 0 mm H2O, no bubbles.
Day 7 in fermentation
15-08-2021 11:00 17.0 C, dp = 0 mm H2O, no bubbles.
15-08-2021 14:27 17.3 C, dp = 0 mm H2O, no bubbles.
15-08-2021 14:28 added 12.78 grams Sabro pellet hops for dry hopping.
15-08-2021 23:54 17.5 C, dp = 0 mm H2O, no bubbles.
Day 8 in fermentation
16-08-2021\ 08:53\ 16.9\ C,\ dp=0\ mm\ H2O,\ no\ bubbles.
16-08-2021 16:19 17.3 C, dp = 0 mm H2O, no bubbles. 16-08-2021 23:42 17.6 C, dp = 0 mm H2O, no bubbles.
Day 9 in fermentation
17-08-2021 08:51 17.4 C, dp = 0 mm H2O, no bubbles.
17-08-2021 \ 11:45 \ 17.3 \ C, \ dp = 0 \ mm \ H20, \ no \ bubbles.
17-08-2021 20:00 17.2 C, dp = 0 mm H2O, no bubbles.
17-08-2021 23:43 17.2 C, dp = 0 mm H2O, no bubbles.
Day 10 in fermentation
18-08-2021 09:13 17.1 C, dp = 0 mm H2O, no bubbles.
18-08-2021 17:39 17.0 C, dp = 0 mm H2O, no bubbles.
18-08-2021 19:59 20.5 C, dp = 0 mm H20, no bubbles. 18-08-2021 23:45 20.6 C, dp = 0 mm H20, no bubbles.
Day 11 in fermentation
19-08-2021 08:25 19.7 C, dp = 0 mm H2O, no bubbles.
19-08-2021 15:46 20.0 C, dp = 0 mm H2O, no bubbles.
19-08-2021 23:50 20.5 C, dp = 0 mm H2O, no bubbles.
Day 12 in fermentation
20-08-2021 09:12 20.5 C, dp = 0 mm H2O, no bubbles.
20-08-2021 14:50 20.0 C, dp = 0 mm H2O, no bubbles.
20-08-2021 21:17 19.8 C, dp = 0 mm H2O, no bubbles.
Day 13 in fermentation
21-08-2021 10:12 20.1 C, dp = 0 mm H2O, no bubbles. 21-08-2021 18:37 19.7 C, dp = 0 mm H2O, no bubbles. 21-08-2021 23:35 19.7 C, dp = 0 mm H2O, no bubbles.
Day 14 in fermentation
22-08-2021 09:41 19.7 C, dp = 0 mm H2O, no bubbles.
22-08-2021 12:33 19.7 C, dp = 0 mm H2O, no bubbles.
Bottling day
22-08-2021 12:50 Transferred fementer.
22-08-2021 13:02 20.6 C, dp = 0 mm H2O, SG = 1.005, pH = 4.46.
22-08-2021 14:15 Filled 13 Steinie bottles (33 cl).
Day 0 in conditioning
22-08-2021 14:15 20.1 C
22-08-2021 15:00 18.9 C
22-08-2021 16:00 17.1 C
22-08-2021 18:00 16.1 C
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Batch Notes

22	-0	8	- 2	02	21	2	3	:	1	9	1	6	1	C
Day 23 23	-0 -0	8	- 2 - 2	02 02	21	0 1	8 4	:	4 5	8 3	1	6 7	9	C
Day 24 24 24	-0 -0	8	- 2 - 2	02 02	21	0	8	:	2	3 7	1	6 6	3 4 2	C
Day 25 25 25	-0 -0	8	- 2 - 2	02 02	21 21	0 1	9 4	:	0 3	7 0	1 1	7 7	7 7	C
Day 26- 26- 26-	-0 -0	8	- 2 - 2	02 02	21	0 1	8 7	:	2 0	8 7	1	6 6	4	C
Day 27 27 27	-0 -0	8	- 2 - 2	02 02	21	0 1	8 7	:	4 3	7 0	1 1	7 7		C C
Day 28- 28- 28-	-0 -0	8	- 2 - 2	02 02	21	1 1	1 7	:	0 1	3 5	1 1	7 7	0	C
Day 29 29	-0	8	- 2	02	1	0	9	:	4	2	1	7	3	C C
Day 30- 30- 30-	-0 -0	8	- 2 - 2	02 02	21 21	0 1	8 5	:	1 5	6 6	1 1	7 7	2 2 3	
Day 31- 31-	-0 -0	8	- 2 - 2	02 02	21	0 1	8 7	:	2 0	0 3	1 1	7 7	4	C
Day 01- 01-	-0	9.	- 2	02	1	0	8	:	4	5	1	7	4	C C
Day 02- 02- 02-	-0 -0	9. 9.	-2 -2	02 02	21	0 1	9 7	:	0 0	3 8	1 1	7 7	4 4	C
Day 03- 03- 03-	-0 -0	9. 9.	- 2 - 2	02 02	21	0 1	8 7	:	2 5	1 3	1 1	7 7	6	C C
Day 04- 04-	-0 -0	9. 9.	- 2 - 2	02 02	21	0 1	9 7	:	1 1	7 5	1 1	7 7	6	C



Batch Notes

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Day 14 in conditioning
05-09-2021 10:00 17.3 C
05-09-2021 17:00 17.1 C
05-09-2021 22:45 17.6 C
Day 15 in conditioning
06-09-2021 09:00 17.8 C
06-09-2021 17:00 17.6 C
06-09-2021 23:45 17.4 C
Day 16 in conditioning
07-09-2021 08:00 16.7 C
07-09-2021 18:30 17.9 C
07-09-2021 23:45 16.6 C
Day 17 in conditioning
08-09-2021 08:15 17.4 C
08-09-2021 17:00 17.0 C
08-09-2021 22:00 16.9 C
Day 18 in conditioning
09-09-2021 07:15 16.5 C. 09-09-2021 19:15 17.9 C.
09-09-2021 23:00 16.6 C.
Day 19 in conditioning
10-09-2021 08:30 17.9 C.
10-09-2021 20:00 18.0 C.
10-09-2021 23:45 16.8 C.
Day 20 in conditioning
11-09-2021 08:30 17.9 C.
11-09-2021 20:30 17.7 C.
11-09-2021 23:15 17.5 C.
Day 21 in conditioning
12-09-2021 08:00 17.0 C.
12-09-2021 16:45 17.7 C.
12-09-2021 16:50 bottles transferred to cellar.
12-09-2021 20:20 20.0 C.
12-09-2021 23:37 20.9 C.
Day 22 in conditioning
13-09-2021 10:58 20.3 C.
13-09-2021 19:51 20.2 C.
13-09-2021 23:55 20.1 C.
Day 23 in conditioning
14-09-2021 08:26 20.9 C.
14-09-2021 19:00 20.6 C.
14-09-2021 23:05 20.7 C.
Day 24 in conditioning
15-09-2021 07:38 20.8 C.
15-09-2021 18:18
                  20.7 C.
15-09-2021 23:55 20.5 C.
Day 25 in conditioning
16-09-2021 08:01 20.3 C.
16-09-2021 21:23 20.0 C.
16-09-2021 23:30 20.0 C.
Day 26 in conditioning
17-09-2021 08:21 20.1 C.
17-09-2021 16:03 20.0 C.
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Batch Notes

17-09-2021 22:14 20.5 C. Day 27 in conditioning 18-09-2021 09:01 20.5 C. 18-09-2021 16:02 20.3 C. 18-09-2021 23:56 20.6 C. Day 28 in conditioning 19-09-2021 13:03 20.2 C. 19-09-2021 17:00 20.1 C. 19-09-2021 21:13 20.9 C. Day 29 in conditioning 20-09-2021 09:17 20.3 C. 20-09-2021 12:02 20.2 C. 20-09-2021 22:20 20.9 C. Day 30 in conditioning 21-09-2021 09:11 20.0 C. 21-09-2021 13:34 19.8 C. 21-09-2021 20:33 19.7 C. 21-09-2021 23:26 19.7 C. Day 31 in conditioning 22-09-2021 06:59 19.5 C. 22-09-2021 17:40 19.5 C. 22-09-2021 23:25 19.7 C. Day 32 in conditioning 23-09-2021 08:22 19.6 C. 23-09-2021 14:03 19.6 C. 23-09-2021 19:59 19.6 C. 23-09-2021 23:58 19.7 C. Day 33 in conditioning 24-09-2021 08:19 19.7 C. 24-09-2021 14:31 19.6 C. 24-09-2021 23:41 20.0 C. Day 34 in conditioning 25-09-2021 07:29 20.3 C. 25-09-2021 19:15 20.5 C. 25-09-2021 22:30 20.6 C. Day 35 in conditioning 26-09-2021 08:34 20.9 C. 26-09-2021 15:19 20.9 C. 26-09-2021 23:09 20.2 C. Day 36 in conditioning 27-09-2021 08:27 20.4 C. 27-09-2021 13:07 20.4 C. 27-09-2021 20:33 20.6 C. Day 37 in conditioning 28-09-2021 08:09 19.9 C. 28-09-2021 15:02 19.7 C. 28-09-2021 23:45 19.5 C. Day 38 in conditioning 29-09-2021 08:37 19.0 C. 29-09-2021 12:58 19.9 C. 29-09-2021 16:07 19.6 C. 29-09-2021 22:00 19.2 C.

Day 39 in conditioning



Batch Notes

30-09-2021 10:33 19.1 C.
30-09-2021 16:02 19.7 C.
30-09-2021 23:23 19.3 C.

Day 40 in conditioning
01-10-2021 08:42 19.6 C.
01-10-2021 13:15 19.5 C.
01-10-2021 23:49 19.4 C.

Day 41 in conditioning

02-10-2021 09:03 19.3 C.

02-10-2021 14:49 19.2 C. 02-10-2021 18:43 19.1 C.

02-10-2021 23:01 19.1 C.

Day 42 in conditioning 03-10-2021 09:05 19.9 C.

Extra Measured Values Strike Temperature 67.2 Strike Water pH 6.14

Batch Log	h Log						
8 August 2021	Brew Date						
8 August 2021	Fermentation Start						
8 August 2021 11:59	Status: Brewing						
8 August 2021 20:30	SV = 17.0 C.						
15 August 2021 14:28	Added 12.76 grams Sabro pellet hops for dry hopping.						
18 August 2021 17:40	SV = 21.0 C						
18 August 2021 20:01	SV = 20.5 C						
22 August 2021	Bottling Date						
22 August 2021 14:15	Filled 13 Steinie bottles (33 cl).						
22 August 2021 14:16	SV = 17.0 C						

Taste

3.2 / 5.0