

344 Morphic Resonance Cold IPA 5 Gallon Ex

American IPA (21 A)

Type: Extract
Batch Size: 5.00 gal
Boil Size: 4.28 gal
Boil Time: 60 min
End of Boil Vol: 3.91 gal
Final Bottling Vol: 4.60 gal

Date: 29 Jul 2022
Version: 1
Brewer: Thomas Monti
Asst Brewer:
Equipment: Extract - Standard 5 Gal/19 l Batch
Fermentation: Ale, Two Stage
Taste Rating: 30.0



Taste Notes:

Prepare for Brewing

- Hydrate yeast with 643.15 ml warm water and add optional 32.2 g of GoFerm
- Clean and Prepare Brewing Equipment
- Total Water Needed: 6.28 gal

Mash or Steep Grains

- Steep Water Volume: 2.81 gal
- Steep Grain Weight: 2 lbs 13.0 oz
- Steep Time: 30
- Steep Temp: 155.0

Grains to Steep

Amt	Name	Type	#	%/IBU	Volume
1 lbs 13.0 oz	Carapils (Briess) [Steep] (1.5 SRM)	Grain	1	16.2 %	0.14 gal
1 lbs	Corn, Flaked [Steep] (1.3 SRM)	Grain	2	8.9 %	0.08 gal

Boil Wort with Extract

- Boil Fermentables Weight: 8 lbs 6.0 oz
- Boil Fermentables Volume: 0.69 gal
- Est Boil Water Addition: 0.78 gal
- Target Boil Volume: 4.28 gal
- Estimated pre-boil gravity is 1.092 SG

Boil Ingredients

Amt	Name	Type	#	%/IBU	Volume
2 lbs	DME Golden Light (Briess) [Boil] (4.0 SRM)	Dry Extract	4	17.9 %	0.15 gal
6 lbs 6.0 oz	LME Pilsen Light (Briess) [Boil] (2.3 SRM)	Extract	5	57.0 %	0.53 gal
1.50 oz	Centennial [10.00 %] - Boil 10.0 min	Hop	6	12.2 IBUs	-
0.30 oz	Citra [12.00 %] - Boil 0.0 min	Hop	7	0.0 IBUs	-
0.30 oz	Galaxy [14.00 %] - Boil 0.0 min	Hop	8	0.0 IBUs	-

- Estimated Post Boil Vol: 3.91 gal and Est Post Boil Gravity: 1.060 SG

Cool and Transfer Wort

- Cool wort to fermentation temperature
- Transfer wort to fermenter
- Add water if needed to achieve final volume of 5.00 gal

Pitch Yeast and Measure Gravity and Volume

Fermentation Ingredients

Amt	Name	Type	#	%/IBU	Volume
1.0 pkg	SafLager German Lager (DCL/Fermentis #S-189) [23.66 ml]	Yeast	9	-	-

- Measure Actual Original Gravity _____ (Target: 1.060 SG)
- Measure Actual Batch Volume _____ (Target: 5.00 gal)

- Add water if needed to achieve final volume of 5.00 gal

Fermentation

- 29 Jul 2022 - Primary Fermentation (4.00 days at 67.0 F ending at 67.0 F)
- 02 Aug 2022 - Secondary Fermentation (10.00 days at 67.0 F ending at 67.0 F)

Dry Hop and Bottle/Keg

Dry Hop/Bottling Ingredients

Amt	Name	Type	#	%/IBU	Volume
0.30 oz	Citra [12.00 %] - Dry Hop 0.0 Days	Hop	10	0.0 IBUs	-
0.30 oz	Galaxy [14.00 %] - Dry Hop 0.0 Days	Hop	11	0.0 IBUs	-

- Measure Final Gravity: _____ (Estimate: 1.016 SG)
- Date Bottled/Kegged: 12 Aug 2022 - Carbonation: Bottle with 3.61 oz Corn Sugar
- Age beer for 30.00 days at 65.0 F
- 11 Sep 2022 - Drink and enjoy!

Notes