

AIPA

- Gravity **19.4 BLG**
- ABV ---
- IBU **120**
- SRM **8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **30.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **37 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.2 liter(s) / kg**
- Mash size **22 liter(s)**
- Total mash volume **32 liter(s)**

Steps

- Temp **67 C**, Time **50 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **22 liter(s)** of strike water to **77.7C**
- Add grains
- Keep mash **50 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **25 liter(s)** of **76C** water or to achieve **37 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|--------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 10 kg (100%) | 85 % | 7 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| Boil | Chinook | 50 g | 60 min | 11.2 % |
| Boil | Warrior | 30 g | 60 min | 14.5 % |
| Boil | Amarillo | 50 g | 60 min | 8.9 % |
| Boil | Ella (AUS) | 10 g | 40 min | 15.1 % |
| Boil | Mosaic | 25 g | 30 min | 12 % |
| Boil | Centennial | 25 g | 20 min | 8.5 % |
| Boil | Centennial | 25 g | 10 min | 8.5 % |
| Boil | Chinook | 30 g | 10 min | 13 % |
| Aroma (end of boil) | Ella (AUS) | 40 g | 1 min | 15.1 % |
| Aroma (end of boil) | WAI-ITI | 25 g | 1 min | 4.1 % |
| Dry Hop | Ella (AUS) | 50 g | 5 day(s) | 15.1 % |
| Dry Hop | Mosaic | 25 g | 5 day(s) | 12 % |
| Dry Hop | WAI-ITI | 25 g | 5 day(s) | 4.1 % |

| | | | | |
|---------|---------|------|----------|--------|
| Dry Hop | Chinook | 10 g | 5 day(s) | 11.2 % |
| Dry Hop | Simcoe | 20 g | 5 day(s) | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 400 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 7 g | Boil | 15 min |