

## AIPA\_3

---

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **66**
- SRM **5.1**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **2 %**
- Size with trub loss **20.6 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **24.6 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**
- Temp **77 C**, Time **5 min**

### Mash step by step

- Heat up **17.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **77C**
- Sparge using **12.1 liter(s)** of **76C** water or to achieve **24.6 liter(s)** of wort

### Fermentables

| Type  | Name                   | Amount      | Yield | EBC |
|-------|------------------------|-------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 5 kg (100%) | 80 %  | 7   |

### Hops

| Use for             | Name              | Amount | Time     | Alpha acid |
|---------------------|-------------------|--------|----------|------------|
| Boil                | Magnum            | 30 g   | 50 min   | 10.8 %     |
| Aroma (end of boil) | Cascade           | 30 g   | 10 min   | 5.8 %      |
| Aroma (end of boil) | Citra             | 20 g   | 10 min   | 12 %       |
| Dry Hop             | Cascade           | 20 g   | 3 day(s) | 5.8 %      |
| Dry Hop             | Citra             | 30 g   | 3 day(s) | 12 %       |
| Boil                | Marynka           | 15 g   | 30 min   | 10 %       |
| Dry Hop             | Falconer's Flight | 90 g   | 3 day(s) | 10.5 %     |

### Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale  | Dry  | 11 g   | ---        |

### Extras

| Type        | Name | Amount | Use for | Time   |
|-------------|------|--------|---------|--------|
| Water Agent | gips | 4 g    | Mash    | 60 min |