

# AIPA CTZ + Amarillo + Citra

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- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **56**
- SRM **6.5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **7.5 %**
- Size with trub loss **15 liter(s)**
- Boil time **60 min**
- Evaporation rate **18.5 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **80 C**, Time **1 min**

## Mash step by step

- Heat up **12 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **80C**
- Sparge using **11 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

## Fermentables

| Type  | Name                     | Amount         | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Weyermann - Pilsneński   | 3 kg (75%)     | 80 %  | 4   |
| Grain | Weyermann - Pszeniczny   | 0.5 kg (12.5%) | 80 %  | 4   |
| Grain | Weyermann - Caramunich I | 0.25 kg (6.3%) | 80 %  | 90  |
| Grain | Weyermann - Zakwaszający | 0.25 kg (6.3%) | 80 %  | 5   |

## Hops

| Use for | Name                          | Amount | Time     | Alpha acid |
|---------|-------------------------------|--------|----------|------------|
| Boil    | CTZ (2017 - USA)              | 10 g   | 60 min   | 15.5 %     |
| Boil    | Amarillo (2018 - USA)         | 25 g   | 20 min   | 7.3 %      |
| Boil    | Citra (2018 - USA)            | 25 g   | 10 min   | 12.5 %     |
| Dry Hop | Amarillo (2018 - USA) - cicha | 25 g   | 3 day(s) | 7.3 %      |
| Dry Hop | Citra (2018 - USA) - cicha    | 25 g   | 3 day(s) | 12.5 %     |

## Yeasts

| <b>Name</b>  | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|--------------|-------------|-------------|---------------|-------------------|
| Safale US-05 | Ale         | Dry         | 11.5 g        | Fermentis         |

### **Extras**

| <b>Type</b> | <b>Name</b> | <b>Amount</b> | <b>Use for</b> | <b>Time</b> |
|-------------|-------------|---------------|----------------|-------------|
| Fining      | Whirlfloc T | 2.5 g         | Boil           | 5 min       |
| Other       | Chłodnica   | 1 g           | Boil           | 15 min      |