

## #97 american Pale ale

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **44**
- SRM **5.2**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **18.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.3 liter(s)**

### Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17 liter(s)**
- Total mash volume **21.8 liter(s)**

### Steps

- Temp **64 C**, Time **65 min**
- Temp **72 C**, Time **5 min**

### Mash step by step

- Heat up **17 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **65 min** at **64C**
- Keep mash **5 min** at **72C**
- Sparge using **10.2 liter(s)** of **76C** water or to achieve **22.3 liter(s)** of wort

### Fermentables

| Type  | Name                   | Amount         | Yield | EBC |
|-------|------------------------|----------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 4.7 kg (96.9%) | 80 %  | 7   |
| Grain | Platki owsiane         | 0.15 kg (3.1%) | 60 %  | 3   |

### Hops

| Use for | Name   | Amount | Time     | Alpha acid |
|---------|--------|--------|----------|------------|
| Boil    | lunga  | 30 g   | 40 min   | 11 %       |
| Boil    | Mosaic | 30 g   | 6 min    | 10 %       |
| Dry Hop | Mosaic | 20 g   | 6 day(s) | 10 %       |
| Dry Hop | Talus  | 50 g   | 6 day(s) | 7.9 %      |

### Yeasts

| Name  | Type | Form  | Amount | Laboratory |
|-------|------|-------|--------|------------|
| Us-05 | Ale  | Slant | 150 ml | ---        |

### Extras

| Type        | Name            | Amount | Use for | Time   |
|-------------|-----------------|--------|---------|--------|
| Water Agent | Gips piwowarski | 1 g    | Mash    | 60 min |
| Fining      | Wirflok         | 1 g    | Boil    | 10 min |

## Notes

- Piwo zajęło: 3 miejsce w Szczecińskim konkursie piw Domowych 2022.

Fermentacja 2 tygodnie w temp od 15 do 22,5 stopnia.

Nagazowanie 2g na butelke.

*Mar 29, 2022, 5:31 PM*