

# American Amber Ale

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **26**
- SRM **12**
- Style **American Amber Ale**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **21 liter(s)**

## Steps

- Temp **66 C**, Time **120 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **15.8 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **120 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield  | EBC |
|-------|----------------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt       | 3.5 kg (66.7%) | 80 %   | 5   |
| Grain | Monachijski                | 1 kg (19%)     | 80 %   | 16  |
| Grain | Caramel/Crystal Malt - 40L | 0.4 kg (7.6%)  | 74 %   | 150 |
| Grain | Strzegom Karmel 300        | 0.25 kg (4.8%) | 70 %   | 299 |
| Grain | Acid Malt                  | 0.1 kg (1.9%)  | 58.7 % | 6   |

## Hops

| Use for | Name       | Amount | Time      | Alpha acid |
|---------|------------|--------|-----------|------------|
| Boil    | Centennial | 10 g   | 70 min    | 9.4 %      |
| Boil    | Chinook    | 10 g   | 60 min    | 8.5 %      |
| Boil    | Amarillo   | 15 g   | 30 min    | 7.7 %      |
| Boil    | Citra      | 15 g   | 1 min     | 12.5 %     |
| Dry Hop | Amarillo   | 15 g   | 10 day(s) | 7.7 %      |
| Dry Hop | Citra      | 15 g   | 10 day(s) | 12.5 %     |
| Dry Hop | Centennial | 10 g   | 10 day(s) | 9.4 %      |

## Yeasts

| <b>Name</b>          | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|----------------------|-------------|-------------|---------------|-------------------|
| FM52 Amerykański Sen | Ale         | Liquid      | 50 ml         | Fermentum Mobile  |