

## american amber

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- Gravity **12.1 BLG**
- ABV ---
- IBU **37**
- SRM **14.5**
- Style **American Amber Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **15 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.4 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.4 liter(s)**
- Total mash volume **23.6 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **2 min**

### Mash step by step

- Heat up **18.4 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **2 min** at **76C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

### Fermentables

| Type  | Name                       | Amount         | Yield  | EBC |
|-------|----------------------------|----------------|--------|-----|
| Grain | Strzegom Pale Ale          | 4 kg (76.2%)   | 79 %   | 6   |
| Grain | Strzegom Monachijski typ I | 0.4 kg (7.6%)  | 79 %   | 16  |
| Grain | Caramunich Malt            | 0.2 kg (3.8%)  | 71.7 % | 100 |
| Grain | weyermann carared          | 0.2 kg (3.8%)  | 75 %   | 60  |
| Grain | Caraaroma                  | 0.15 kg (2.9%) | 78 %   | 400 |
| Grain | Weyermann pszeniczny jasny | 0.3 kg (5.7%)  | 80 %   | 6   |

### Hops

| Use for   | Name          | Amount | Time     | Alpha acid |
|-----------|---------------|--------|----------|------------|
| Boil      | Magnum        | 20 g   | 60 min   | 13 %       |
| Boil      | Rakau (NZ)    | 20 g   | 10 min   | 9.5 %      |
| Whirlpool | Rakau (NZ)    | 30 g   | ---      | 9.5 %      |
| Dry Hop   | Pacifica (NZ) | 50 g   | 4 day(s) | 4.8 %      |

### Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|                      |     |        |        |                  |
|----------------------|-----|--------|--------|------------------|
| FM52 Amerykański Sen | Ale | Liquid | 150 ml | Fermentum Mobile |
|----------------------|-----|--------|--------|------------------|