

Amber Gold

- Gravity **13.3 BLG**
- ABV ---
- IBU **38**
- SRM **10.5**
- Style **American Amber Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **80 min**
- Evaporation rate **12 %/h**
- Boil size **31.1 liter(s)**

Mash information

- Mash efficiency **77 %**
- Liquor-to-grist ratio **5 liter(s) / kg**
- Mash size **31 liter(s)**
- Total mash volume **37.2 liter(s)**

Steps

- Temp **66.7 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **31 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **90 min** at **66.7C**
- Keep mash **10 min** at **78C**
- Sparge using **6.3 liter(s)** of **76C** water or to achieve **31.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Malteurop Pale Ale | 3.8 kg (61.3%) | 79 % | 6 |
| Grain | Strzegom Monachijski typ I | 1 kg (16.1%) | 79 % | 16 |
| Grain | Malteurop Wiedeński | 0.5 kg (8.1%) | 79 % | 8 |
| Grain | Strzegom Karmel 150 | 0.5 kg (8.1%) | 75 % | 150 |
| Grain | Viking melanoidynowy | 0.2 kg (3.2%) | 75 % | 60 |
| Grain | Biscuit Malt | 0.2 kg (3.2%) | 79 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|--------|------------|
| First Wort | Magnum | 0 g | 80 min | 13.5 % |
| Boil | Centennial | 10 g | 20 min | 10.5 % |
| Boil | Amarillo | 10 g | 20 min | 9.5 % |
| Boil | Centennial | 40 g | 10 min | 10.5 % |
| Boil | Amarillo | 40 g | 10 min | 9.5 % |
| Aroma (end of boil) | Centennial | 50 g | 0 min | 10.5 % |
| Aroma (end of boil) | Amarillo | 50 g | 0 min | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------|--------|---------|--------|
| Fining | Whirlfloc | 3 g | Boil | 15 min |