

LEM | American Amber Ale (by Piwny Kraft)

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **38**
- SRM **11.5**
- Style **American Amber Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **0 %**
- Size with trub loss **20 liter(s)**
- Boil time **90 min**
- Evaporation rate **6.8 %/h**
- Boil size **22 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.26 liter(s) / kg**
- Mash size **16 liter(s)**
- Total mash volume **20.9 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **16 liter(s)** of strike water to **75.4C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **10.9 liter(s)** of **76C** water or to achieve **22 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.8 kg (77.6%) | 80 % | 5 |
| Grain | Viking Munich Malt | 0.45 kg (9.2%) | 78 % | 18 |
| Grain | Caramunich® typ I | 0.25 kg (5.1%) | 73 % | 80 |
| Grain | Weyermann - Carared | 0.25 kg (5.1%) | 75 % | 45 |
| Grain | Caraaroma | 0.15 kg (3.1%) | 78 % | 400 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil | Warrior | 20 g | 60 min | 15.5 % |
| Aroma (end of boil) | Wakatu | 20 g | 0 min | 8.5 % |
| Dry Hop | Wakatu | 30 g | 7 day(s) | 8.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 10 g | Fermentis |

Notes

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

- Zacieranie w 16 litrach w 68C - 1h.
Podniesienie temperatury do 72C - 10 min.
Podniesienie temperatury do 76C - mashout.
Filtracja i wysładzanie do 22L.

Fermentacja w temp. 18-19C - 7 dni burzliwa + 7 dni cicha
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