

Belgian Pale Ale #8 - Belgijskie Pale Ale - Browar na Wyżynie

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **24**
- SRM **11.4**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **4 %**
- Size with trub loss **22.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **18 %/h**
- Boil size **26.9 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15.8 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **15.6 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|----------------|-------|-----|
| Grain | pale ale Castle Malting | 3 kg (66.7%) | 80 % | 9 |
| Grain | monachijski typ I Viking Malt | 0.5 kg (11.1%) | 78 % | 16 |
| Grain | Biscuit® Castle Malting | 0.5 kg (11.1%) | 77 % | 50 |
| Grain | Crystal® Castle Malting | 0.5 kg (11.1%) | 78 % | 150 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------------------------------|--------|---------|------------|
| First Wort | Lubelski (Polishhops) - granulat | 10 g | 100 min | 5 % |
| Aroma (end of boil) | Lubelski (Polishhops) - granulat | 60 g | 5 min | 5 % |
| Aroma (end of boil) | Lubelski (Polishhops) - granulat | 30 g | 20 min | 5 % |

Yeasts

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

| Name | Type | Form | Amount | Laboratory |
|--|-------------|-------------|---------------|-------------------|
| FM27 Artefakty trapistów (4 pokolenie) | Ale | Slant | 300 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|---------------|----------------|-------------|
| Water Agent | Chlorek wapnia | 3 g | Mash | 60 min |
| Water Agent | Gips | 3 g | Mash | 60 min |
| Fining | Mech irlandzki | 2 g | Boil | 15 min |
| Other | chlorek cynku | 2 g | Boil | 0 min |