

Belgijskie Pale Ale

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **28**
- SRM **8.9**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **1 %**
- Size with trub loss **22.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **19.2 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19.2 liter(s)** of strike water to **71.8C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **40 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **26.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|----------------|-------|-----|
| Grain | pale ale Viking Malt | 2.5 kg (52.1%) | 79 % | 8 |
| Grain | Strzegom Wiedeński | 1 kg (20.8%) | 79 % | 10 |
| Grain | bursztynowy cookie Viking Malt | 0.3 kg (6.3%) | 72 % | 70 |
| Grain | Carabelge | 0.3 kg (6.3%) | 80 % | 30 |
| Grain | Pszeniczny | 0.5 kg (10.4%) | 85 % | 4 |
| Grain | Weyermann Caramunich 3 | 0.2 kg (4.2%) | 76 % | 150 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------------|--------|--------|------------|
| Boil | Marynka (PL) - granulát | 30 g | 45 min | 8.8 % |
| Aroma (end of boil) | Saaz (CZ) - granulát | 30 g | 2 min | 4.12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------------|------|--------|--------|------------------|
| FM26 Belgijskie Pagórki | Ale | Liquid | 30 ml | Fermentum Mobile |