

## belgian pale ale

---

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **22**
- SRM **10.4**
- Style **Belgian Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **60 min**

### Mash step by step

- Heat up **16.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **60 min** at **72C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg (72.7%)	80 %	4
Grain	Biscuit Malt	0.25 kg (4.5%)	79 %	45
Grain	Strzegom Wiedeński	1 kg (18.2%)	79 %	10
Grain	Special B Malt	0.25 kg (4.5%)	65.2 %	315

### Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	East Kent Goldings	25 g	50 min	5.1 %
Boil	Marynka	25 g	10 min	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - Belgian Abbey II	Ale	Liquid	138.89 ml	Wyeast Labs