

## B P A

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **22**
- SRM **6.6**
- Style **Belgian Pale Ale**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **18 %/h**
- Boil size **34 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Steps

- Temp **62 C**, Time **10 min**
- Temp **72 C**, Time **50 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **16.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **10 min** at **62C**
- Keep mash **50 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **23 liter(s)** of **76C** water or to achieve **34 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	4 kg (72.7%)	80 %	7
Grain	Carabelge	1.5 kg (27.3%)	80 %	30

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	10 %
Whirlpool	Summit	50 g	0 min	13 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM26 Belgijskie Pagórki	Ale	Slant	1500 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Spice	Skórka bergamotki	5 g	Boil	3 min
Spice	Kolendra	5 g	Boil	3 min
Spice	Skórka bergamotki	5 g	Boil	0 min

Fining	wiraflock	1 g	Boil	10 min
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