

Belgian Pale Ale

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **21**
- SRM **6.5**
- 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 **15 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **13.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **45 min** at **72C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3 kg (66.7%)	85 %	7
Grain	Monachijski	1 kg (22.2%)	80 %	15
Grain	Carabelge	0.2 kg (4.4%)	80 %	30
Grain	Abbey Malt Weyermann	0.3 kg (6.7%)	75 %	45

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	30 g	55 min	4.5 %
Boil	Styrian Golding	30 g	15 min	3.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM27 Artefakty trapistów	Ale	Liquid	30 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
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Other	mech	10 g	Boil	15 min
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Notes

- Fermentacja burzliwa 8 dni w temperaturze około 20 C
Fermentacja cicha 20 dni w temperaturze około 20 C
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