

BELGIAN ALE

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **29**
- SRM **3.8**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **10 %**
- Size with trub loss **20.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **19.3 liter(s)**

Steps

- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **24.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.3 kg (100%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula	60 g	15 min	8.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM28 Habit opata	Ale	Liquid	1000 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Fining	Whirlfloc	2 g	Boil	10 min