

Letniak

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **51**
- SRM **3.9**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **18.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.8 liter(s)**
- Total mash volume **13 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Maris Otter Pale Ale	3 kg (92.3%)	80.3 %	5.3
Grain	Weyermann - Acidulated Malt	0.25 kg (7.7%)	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	10 g	55 min	15.5 %
Boil	Warrior	15 g	30 min	15.5 %
Dry Hop	Crystal	30 g	7 day(s)	4.5 %
Dry Hop	Cascade	30 g	7 day(s)	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	Trawa cytrynowa	10 g	Boil	50 min