

Przenicznik Pale ale

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **13**
- SRM **10.5**
- Style **Weizen/Weissbier**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.4 liter(s) / kg**
- Mash size **14.6 liter(s)**
- Total mash volume **18.9 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **40 min**

Mash step by step

- Heat up **14.6 liter(s)** of strike water to **56.7C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **20 min** at **62C**
- Keep mash **40 min** at **72C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **23 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (46.5%)	80 %	5
Grain	Weyermann Spezial W	0.3 kg (7%)	68 %	300
Grain	Pilzneński	1 kg (23.3%)	81 %	4
Grain	Pszeniczny	1 kg (23.3%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	10 g	60 min	5.1 %
Boil	East Kent Goldings	10 g	5 min	5.1 %
Aroma (end of boil)	Citra	20 g	5 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP300 - Hefeweizen Ale Yeast	Wheat	Liquid	200 ml	White Labs