

Pseudo Pils Saaz

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **31**
- SRM **3.7**
- Style **German Pilsner (Pils)**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **64 C**, Time **15 min**
- Temp **70 C**, Time **40 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **15 min** at **64C**
- Keep mash **40 min** at **70C**
- Keep mash **0 min** at **76C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	5 kg (90.9%)	82 %	4
Grain	Weyermann - Carapils	0.5 kg (9.1%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	20 g	60 min	11 %
Aroma (end of boil)	Saaz (Czech Republic)	50 g	10 min	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Lutra	Ale	Liquid	1000 ml	starter
Oslo	Ale	Slant	80 ml	---