

Pils 63

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **43**
- SRM **3.6**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **29 liter(s)**
- Trub loss **5 %**
- Size with trub loss **30.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **35.1 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **35 liter(s)**

Steps

- Temp **69 C**, Time **60 min**

Mash step by step

- Heat up **28 liter(s)** of strike water to **75.1C**
- Add grains
- Keep mash **60 min** at **69C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **35.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	7 kg (100%)	82 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	50 g	60 min	10.6 %
Boil	Lublin (Lubelski)	20 g	5 min	5.8 %
Boil	Columbus/Tomahawk/Zeus	10 g	5 min	10.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP518 - Opshaug Kveik Ale	Ale	Slant	100 ml	White Labs