

Classic American Pilsner

- Gravity **10 BLG**
- ABV **4 %**
- IBU **34**
- SRM **3.2**
- Style **Classic American Pilsner**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **20 liter(s)**
- Total mash volume **25 liter(s)**

Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **20 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **45 min** at **72C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński 6-rzędowy	4.5 kg (90%)	80 %	3
Grain	Briess - 2 Row Carapils Malt	0.5 kg (10%)	75 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Ultra	20 g	90 min	7.5 %
Boil	Ultra	15 g	80 min	7.5 %
Aroma (end of boil)	Saaz	20 g	0 min	4 %
Aroma (end of boil)	Saaz	30 g	0 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
2007 Pilsen Lager	Lager	Liquid	2000 ml	Wyeast