

Hoppy Pils

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **37**
- SRM **4.1**
- Style **Classic American Pilsner**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.7 liter(s)**
- Total mash volume **24.9 liter(s)**

Steps

- Temp **65 C**, Time **70 min**

Mash step by step

- Heat up **18.7 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **70 min** at **65C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5.5 kg (88.4%)	80 %	4
Grain	Monachijski	0.475 kg (7.6%)	80 %	16
Grain	Weyermann - Carapils	0.245 kg (3.9%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	20 g	60 min	11 %
Boil	lunga	10 g	30 min	11 %
Boil	Galaxy	5 g	30 min	15 %
Aroma (end of boil)	Chinook	30 g	1 min	13 %
Aroma (end of boil)	Galaxy	55 g	1 min	15 %