

Pilsik

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **27**
- SRM **8.5**
- Style **German Pilsner (Pils)**

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 **19.2 liter(s)**
- Total mash volume **25.6 liter(s)**

Steps

- Temp **52 C**, Time **15 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **19.2 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **15 min** at **52C**
- Keep mash **40 min** at **62C**
- Keep mash **90 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **18.9 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	6 kg (93.8%)	--- %	6
Grain	Zakwaszający	0.2 kg (3.1%)	--- %	4
Grain	Caraaroma	0.2 kg (3.1%)	--- %	350

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	18 g	90 min	7.6 %
Boil	Sterling	30 g	25 min	7.8 %
Boil	Sterling	30 g	0 min	7.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	11 g	Fermentis