

# Polskie Ale

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **24**
- SRM **5.9**
- Style **Vienna Lager**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.4 liter(s)**
- Total mash volume **19.2 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**

## Mash step by step

- Heat up **14.4 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **15.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Malt Pilsneński	4.2 kg (87.5%)	80 %	3.75
Grain	Viking Malt Pszeniczny	0.5 kg (10.4%)	82 %	5
Grain	Castle Malting Special B	0.1 kg (2.1%)	77 %	290

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	20 g	60 min	10 %
Boil	Saaz	10 g	10 min	3.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US 05	Ale	Slant	150 ml	Fermentis