

## Psze Pani Joanna vol. 6

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- Gravity **17.3 BLG**
- ABV **7.4 %**
- IBU **21**
- SRM **4.7**
- Style **Witbier**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.9 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.2 liter(s) / kg**
- Mash size **18.7 liter(s)**
- Total mash volume **27.2 liter(s)**

### Steps

- Temp **44 C**, Time **15 min**
- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **18.7 liter(s)** of strike water to **49.5C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **21.7 liter(s)** of **76C** water or to achieve **31.9 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	5 kg (58.8%)	85 %	4
Grain	Viking Pale Ale malt	3 kg (35.3%)	80 %	5
Grain	Płatki owsiane	0.5 kg (5.9%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula	50 g	30 min	7.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
safale WB-06	Wheat	Dry	11.5 g	Safale