

## BA pszeniczne #3

- Gravity **11.7 BLG**
- ABV ---
- IBU **18**
- SRM **3**
- Style **Witbier**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **0 %**
- Size with trub loss **20 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **24.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.3 liter(s)**
- Total mash volume **15.8 liter(s)**

### Steps

- Temp **44 C**, Time **20 min**
- Temp **62 C**, Time **45 min**
- Temp **73 C**, Time **25 min**

### Mash step by step

- Heat up **12.3 liter(s)** of strike water to **47.4C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **62C**
- Keep mash **25 min** at **73C**
- Sparge using **15.8 liter(s)** of **76C** water or to achieve **24.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (48.8%)	81 %	4
Adjunct	skórki słodkiej pomarańczy	0.2 kg (4.9%)	--- %	---
Adjunct	skórki Curacao	0.2 kg (4.9%)	--- %	---
Grain	Pszeniczny	1.5 kg (36.6%)	85 %	4
Adjunct	kolendra	0.2 kg (4.9%)	--- %	---

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Spalt Select	30 g	60 min	4.6 %
Aroma (end of boil)	Hallertau Spalt Select	30 g	2 min	4.6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew S-33	Wheat	Dry	11.5 g	Safbrew