

Jasne Pełne

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **19**
- SRM **4**
- Style **Specialty Beer**

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 **18.3 liter(s)**
- Total mash volume **24.4 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **78C**
- Sparge using **19.5 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzniejszy	5 kg (82%)	80 %	4.5
Grain	Viking Pale Ale malt	1 kg (16.4%)	80 %	6.5
Grain	Weyermann - Acidulated Malt	0.1 kg (1.6%)	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	8.7 %
Boil	Lublin (Lubelski)	20 g	20 min	5 %
Boil	Lublin (Lubelski)	20 g	5 min	5 %
Whirlpool	Lublin (Lubelski)	10 g	5 min	5 %

Yeasts

Name	Type	Form	Amount	Laboratory
S-04	Ale	Dry	11.5 g	Safale

Extras

Type	Name	Amount	Use for	Time
Finning	whirlfloc	4 g	Boil	10 min