

Pszeniczne jasne

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **11**
- SRM **9.2**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **0.9 liter(s)**
- Total mash volume **1.2 liter(s)**

Steps

- Temp **44 C**, Time **20 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **0.9 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Sparge using **25.9 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Bruntal ekstrakt słodowy pszeniczny	3.4 kg (82.9%)	80 %	30
Grain	Weyermann pszeniczny jasny	0.3 kg (7.3%)	80 %	6
Sugar	ksylitol	0.4 kg (9.8%)	--- %	---

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Mittelfruh	30 g	60 min	3 %
Boil	Lublin (Lubelski)	10 g	10 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - 3638 Bavarian Wheat	Wheat	Liquid	30 ml	Wyeast Labs

Extras

Type	Name	Amount	Use for	Time
Spice	kolendra	20 g	Boil	10 min