

Pszeniczne Jasne 13`

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **12**
- SRM **3.7**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **26.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

Steps

- Temp **45 C**, Time **10 min**
- Temp **53 C**, Time **15 min**
- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **1 min**

Mash step by step

- Heat up **12.9 liter(s)** of strike water to **49.2C**
- Add grains
- Keep mash **10 min** at **45C**
- Keep mash **15 min** at **53C**
- Keep mash **30 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **77C**
- Sparge using **17.5 liter(s)** of **76C** water or to achieve **26.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.5 kg (58.1%)	85 %	4
Grain	Pilzneński	1.6 kg (37.2%)	81 %	4
Grain	Carahell	0.2 kg (4.7%)	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tradition	10 g	70 min	5.5 %
Boil	Tradition	10 g	20 min	5.5 %
Boil	Tradition	10 g	5 min	5.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
wb-06	Wheat	Dry	11.5 g	---

Notes

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Sep 24, 2017, 5:23 PM