

Wyndzonka

- Gravity **8.3 BLG**
- ABV **3.2 %**
- IBU **18**
- SRM **2.7**
- Style **Grodziskie/Graetzer**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **50.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.3 liter(s)**
- Total mash volume **24.4 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **18.3 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **38.4 liter(s)** of **76C** water or to achieve **50.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	5 kg (82%)	80 %	3
Grain	Jęczmień chyba palę ale	0.9 kg (14.8%)	80 %	8
Grain	Strzegom Monachijski typ I	0.2 kg (3.3%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	55 g	60 min	4 %
Boil	Lublin (Lubelski)	45 g	10 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Slant	200 ml	---

Extras

Type	Name	Amount	Use for	Time
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Fining	Mech irlandzki	5 g	Boil	5 min
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