- Gravity 8 BLG
- ABV ---
- IBU **17**
- SRM **2.5**
- Style Grodziskie/Graetzer

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 9 liter(s)
- Total mash volume 12 liter(s)

Steps

- Temp **38 C**, Time **40 min** Temp **62 C**, Time **20 min** Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up 9 liter(s) of strike water to 41C
- Add grains
- Keep mash 40 min at 38C
- Keep mash 20 min at 62C
- Keep mash 20 min at 72C
- Keep mash 1 min at 78C
- Sparge using 20.5 liter(s) of 76C water or to achieve 26.5 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	3 kg <i>(100%)</i>	80 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	20 g	60 min	4 %
Boil	Lublin (Lubelski)	30 g	10 min	4 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safbrew S-33	Ale	Dry	11.5 g	Safbrew