HOPPY GRODZISKIE

- Gravity 7.6 BLG
- ABV 2.9 %
- IBU **32**
- SRM **2.3**
- Style Grodziskie/Graetzer

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- · Boil time 60 min
- Evaporation rate 22 %/h
- Boil size 28.1 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 **30 min** Temp **52 C**, Time **30 min**
- Temp 63 C, Time 25 min
- Temp 72 C, Time 35 min
 Temp 76 C, Time 10 min

Mash step by step

- Heat up 9 liter(s) of strike water to 41C
- Add grains
- Keep mash 30 min at 38C
- Keep mash 30 min at 52C
- Keep mash 25 min at 63C
- Keep mash 35 min at 72C
- Keep mash 10 min at 76C
- Sparge using 22.1 liter(s) of 76C water or to achieve 28.1 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	Galaxy	2 g	60 min	14.5 %
Boil	Galaxy	15 g	20 min	14.5 %
Boil	Galaxy	20 g	7 min	14.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - Kolsch	Ale	Liquid	100 ml	Wyeast Labs

Extras

Гуре Name	Amount	Use for	Time
-----------	--------	---------	------

Fining	mech	5 g	Boil	15 min