Roggenbier (pieron)

- Gravity 13.3 BLG
- ABV 5.5 %
- IBU **15**
- SRM **5.6**
- Style Roggenbier

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 48.4 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 34 liter(s)
- Total mash volume 43.7 liter(s)

Steps

- Temp 45 C, Time 20 min
 Temp 52 C, Time 10 min
- Temp 62 C, Time 70 min
- Temp 72 C, Time 30 min
 Temp 77 C, Time 10 min

Mash step by step

- Heat up 34 liter(s) of strike water to 48.6C
- Add grains
- Keep mash 20 min at 45C
- Keep mash 10 min at 52C
- Keep mash 70 min at 62C
- Keep mash 30 min at 72C
- Keep mash 10 min at 77C
- Sparge using 24.1 liter(s) of 76C water or to achieve 48.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Żytni	4 kg <i>(41.2%)</i>	85 %	8
Grain	Malteurop MepAle (Pale Ale)	3 kg (30.9%)	85 %	5
Grain	Viking - Monachijski typ I	2 kg (20.6%)	79 %	16
Grain	castle crystal	0.15 kg <i>(1.5%)</i>	78 %	20
Grain	zakwaszający	0.15 kg <i>(1.5%)</i>	75 %	
Grain	Płatki owsiane	0.4 kg (4.1%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tradition	50 g	50 min	5.5 %

Yeasts

Name Typ	e Form	Amount	Laboratory
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Mauribrew Weiss	Wheat	Slant	1000 ml	Mauribrew
11433				

Extras

Туре	Name	Amount	Use for	Time
Fining	mech irlandzki	5 g	Boil	10 min
Other	łuska ryżowa	500 g	Mash	60 min