- Gravity 13.3 BLG
- ABV ---
- IBU **31**
- SRM **17.9**
- Style Irish Red Ale

Batch size

- Expected quantity of finished beer 22 liter(s)
- Trub loss 5 %
- Size with trub loss 23.1 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 27.8 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15.4 liter(s)
- Total mash volume 20.6 liter(s)

Steps

- Temp 65 C, Time 30 min
 Temp 72 C, Time 30 min

Mash step by step

- Heat up 15.4 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 30 min at 65C
- Keep mash 30 min at 72C
- Sparge using 17.6 liter(s) of 76C water or to achieve 27.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	4.5 kg <i>(87.4%)</i>	85 %	7
Grain	Strzegom Karmel 150	0.6 kg <i>(11.7%)</i>	75 %	150
Grain	Jęczmień palony	0.05 kg <i>(1%)</i>	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	10 g	60 min	4.5 %
Boil	Target	10 g	60 min	10.5 %
Boil	Fuggles	10 g	30 min	4.5 %
Boil	Target	10 g	30 min	10.5 %
Boil	Fuggles	10 g	5 min	4.5 %
Boil	Target	10 g	5 min	10.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Liquid	125 ml	Fermentum Mobile

Extras

Туре	Name	Amount	Use for	Time
Fining	mech irlandzki	15 g	Boil	10 min