- Gravity 15.7 BLG
- ABV ---
- IBU **53**
- SRM 45.6
- Style Foreign Extra Stout

Batch size

- Expected quantity of finished beer 16.5 liter(s)
- Trub loss 15 %
- Size with trub loss 19 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 22.7 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15.3 liter(s)
- Total mash volume 20.3 liter(s)

Steps

- Temp 67 C, Time 60 minTemp 75 C, Time 10 min

Mash step by step

- Heat up 15.3 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 10 min at 75C
- Sparge using 12.5 liter(s) of 76C water or to achieve 22.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Irish Craft Pale Ale	2.5 kg <i>(49.2%)</i>	85 %	5
Grain	Weyermann - Light Munich Malt	2 kg (39.3%)	82 %	20
Grain	cara munich 2	0.185 kg <i>(3.6%)</i>	77 %	120
Grain	Black Barley (Roast Barley)	0.2 kg <i>(3.9%)</i>	55 %	1367
Grain	Weyermann - Chocolate Wheat	0.2 kg (3.9%)	74 %	1000

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	31.4 g	60 min	8.6 %
Aroma (end of boil)	Flyer	50 g	10 min	9.8 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP004 - Irish Ale Yeast	Ale	Liquid	35 ml	White Labs

Extras

Туре	Name	Amount	Use for	Time
Fining	Whirlfloc	3 g	Boil	5 min