- Gravity 17.7 BLG
- ABV ---
- IBU 23
- SRM 26.7
- Style Traditional Bock

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 10 %
- Size with trub loss 22 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 26.4 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 20.7 liter(s)
- Total mash volume 27.6 liter(s)

Steps

- Temp 62 C, Time 50 min
 Temp 75 C, Time 10 min

Mash step by step

- Heat up 20.7 liter(s) of strike water to 69C
- Add grains
- Keep mash 50 min at 62C
- Keep mash 10 min at 75C
- Sparge using 12.6 liter(s) of 76C water or to achieve 26.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Pilsen	3.95 kg <i>(57.3%)</i>	80.5 %	4
Grain	Minch - Irish Craft Pale Ale Malt	1.07 kg <i>(15.5%)</i>	80 %	7
Grain	Weyermann - Light Munich Malt	0.7 kg (10.2%)	85 %	20
Grain	bestmalz - rye	0.2 kg <i>(2.9%)</i>	80 %	6
Grain	Bestmalz - Cara Munich Type III	0.6 kg (8.7%)	75 %	160
Grain	Bestmalz - Cara Aroma Amber	0.268 kg <i>(3.9%)</i>	75 %	75
Grain	Black Barley (Roast Barley) whole	0.1 kg <i>(1.5%)</i>	50 %	1367

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	45 min	10.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
W-34/70	Lager	Slant	50 ml	Fermentis Saflager

Extras

Туре	Name	Amount	Use for	Time
Fining	wirflock	3 g	Boil	10 min