Bitterek II

- Gravity 9.8 BLG
- ABV 3.8 %
- IBU **32**
- SRM **11.6**
- Style Standard/Ordinary Bitter

Batch size

- Expected quantity of finished beer 21 liter(s)
- Trub loss 10 %
- Size with trub loss 23.1 liter(s)
- Boil time 60 min
- Evaporation rate 13 %/h
- Boil size 29.2 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 12.1 liter(s)
- Total mash volume 16.2 liter(s)

Steps

- Temp 65 C, Time 60 min
 Temp 76 C, Time 10 min

Mash step by step

- Heat up 12.1 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 60 min at 65C
- Keep mash 10 min at 76C
- Sparge using 21.2 liter(s) of 76C water or to achieve 29.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.7 kg (91.4%)	80 %	5
Grain	Caraaroma	0.35 kg (8.6%)	78 %	400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	10 %
Boil	Hallertau Tradition	20 g	30 min	4 %
Boil	Hallertau Tradition	20 g	10 min	4 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Fermentis