pils

- Gravity 11.9 BLG
- ABV 4.8 %
- IBU **40**
- SRM 3.6
- Style Bohemian Pilsener

Batch size

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.3 liter(s)
- · Boil time 70 min
- Evaporation rate 10 %/h
- Boil size 32.2 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 18 liter(s)
- Total mash volume 24 liter(s)

Steps

- Temp **52 C**, Time **10 min** Temp **63 C**, Time **30 min**
- Temp 72 C, Time 30 min

Mash step by step

- Heat up 18 liter(s) of strike water to 57.3C
- Add grains
- Keep mash 10 min at 52C
- Keep mash 30 min at 63C
- Keep mash 30 min at 72C
- Sparge using 20.2 liter(s) of 76C water or to achieve 32.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Pilsen	5 kg (83.3%)	80.5 %	4
Grain	Słód pszeniczny Bestmalz	0.5 kg (8.3%)	82 %	5
Grain	płatki jęczmienne	0.5 kg (8.3%)	60 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	40 g	50 min	8.8 %
Aroma (end of boil)	Saaz (Czech Republic)	35 g	10 min	4.7 %
Aroma (end of boil)	Premiant	35 g	5 min	7.8 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Mangrove Jack's M76 Bavarian Lager	Lager	Slant	350 ml	

Extras

Туре	Name	Amount	Use for	Time
Fining	whirlfloct	1.25 g	Boil	10 min