Marcowe

- Gravity 13.8 BLG
- ABV ----
- IBU 24
- SRM **9**
- Style Oktoberfest/Märzen

Batch size

- Expected quantity of finished beer 12 liter(s)
- Trub loss 5 %
- Size with trub loss 12.7 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 15.3 liter(s)

Mash information

- Mash efficiency 65 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 10.5 liter(s)
- Total mash volume 14 liter(s)

Steps

• Temp 67 C, Time 75 min

Mash step by step

- Heat up 10.5 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 75 min at 67C
- Sparge using 8.3 liter(s) of 76C water or to achieve 15.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2.7 kg <i>(77.1%)</i>	81 %	4
Grain	Strzegom Monachijski typ I	0.6 kg <i>(17.1%)</i>	79 %	16
Grain	Strzegom Karmel 150	0.2 kg <i>(5.7%)</i>	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tettnang	12 g	60 min	4 %
Boil	Tettnang	10 g	30 min	4 %
Boil	Saaz (Czech Republic)	10 g	30 min	4.5 %
Boil	Saaz (Czech Republic)	15 g	5 min	4.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
FM31 Bawarska Dolina	Lager	Liquid	125 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
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Fining	manab irlamdəldi	F ~	Deil	10 main
rining	mech irlandzki	5 g	Boil	l 10 min