letni lager

- Gravity 12.9 BLG
- ABV ---
- IBU 28
- SRM 5.1
- Style Standard American Lager

Batch size

- Expected quantity of finished beer 19 liter(s)
- Trub loss 5 %
- Size with trub loss 19.9 liter(s)
- · Boil time 60 min
- Evaporation rate 5 %/h
- Boil size 21.9 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 2.7 liter(s) / kg
- Mash size 11.1 liter(s)
- Total mash volume 15.2 liter(s)

Steps

- Temp 56 C, Time 1 min
 Temp 52 C, Time 9 min
- Temp 62 C, Time 40 min
- Temp 72 C, Time 20 min
 Temp 78 C, Time 5 min

Mash step by step

- Heat up 11.1 liter(s) of strike water to 57.9C
- Add grains
- Keep mash 9 min at 52C
- Keep mash 1 min at 56C
- Keep mash 40 min at 62C
- Keep mash 20 min at 72C
- Keep mash 5 min at 78C
- Sparge using 14.9 liter(s) of 76C water or to achieve 21.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	3.57 kg <i>(86.9%)</i>	81 %	4
Grain	Monachijski	0.38 kg <i>(9.2%)</i>	80 %	16
Grain	karmelowy	0.1 kg <i>(2.4%)</i>	70 %	30
Grain	zakwaszający	0.06 kg <i>(1.5%)</i>	70 %	

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Premiant	35 g	60 min	4 %
Boil	Saaz (Czech Republic)	15 g	20 min	4.5 %
Boil	Saaz (Czech Republic)	25 g	10 min	4.5 %

Yeasts

Name Typ	e Form	Amount	Laboratory
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WLP800 - Pilsner	Lager	Liquid	50 ml	White Labs
Lager Yeast		·		