# czeski lezak tmavy

- Gravity 12.4 BLG
- ABV 5 %
- IBU 23
- SRM **16.8**
- Style Schwarzbier

#### **Batch size**

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.3 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 31.7 liter(s)

#### **Mash information**

- Mash efficiency 83 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 17.2 liter(s)
- Total mash volume 22.9 liter(s)

#### **Steps**

- Temp **52 C**, Time **10 min** Temp **62 C**, Time **20 min** Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up 17.2 liter(s) of strike water to 57.3C
- Add grains
- Keep mash 10 min at 52C
- Keep mash 20 min at 62C
- Keep mash 40 min at 72C
- Keep mash 5 min at 78C
- Sparge using 20.2 liter(s) of 76C water or to achieve 31.7 liter(s) of wort

#### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg <i>(43.6%)</i>	81 %	4
Grain	Monachijski	2 kg <i>(34.9%)</i>	80 %	16
Grain	Strzegom Karmel 150	0.5 kg (8.7%)	75 %	150
Grain	Carafa II	0.23 kg <i>(4%)</i>	70 %	812
Grain	Płatki owsiane	0.5 kg (8.7%)	60 %	3

#### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Premiant	25 g	60 min	8 %
Boil	Saaz (Czech Republic)	25 g	15 min	4.5 %

### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Mangrove Jack's M84 Bohemian Lager	Lager	Slant	350 ml	

### **Extras**

Туре	Name	Amount	Use for	Time
Fining	whirlfloc T	2.5 g	Boil	10 min

## **Notes**

• Carafa typ II na ostatnie 10 min zacierania Dec 4, 2024, 8:15 PM