# lager H8

- Gravity 12.4 BLG
- ABV 5 %
- IBU **28**
- SRM **5.5**

#### 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 17 %/h
- Boil size 35.7 liter(s)

#### Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 19.6 liter(s)
- Total mash volume 26.1 liter(s)

## Steps

- Temp **51** C, Time **10 min** Temp **62** C, Time **45 min** Temp **72** C, Time **30 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up 19.6 liter(s) of strike water to 56.2C
- Add grains
- Keep mash 10 min at 51C
- Keep mash 45 min at 62C
- Keep mash 30 min at 72C
- Keep mash 0 min at 78C
- Sparge using 22.6 liter(s) of 76C water or to achieve 35.7 liter(s) of wort

## **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	4.25 kg <i>(65.2%)</i>	81 %	4
Grain	Karamel Pils Steinbach	0.21 kg <i>(3.2%)</i>	79 %	6
Grain	Karmelowy Jasny 30EBC	0.31 kg <i>(4.8%)</i>	75 %	30
Grain	monachijski jasny viking	1.75 kg <i>(26.8%)</i>	%	16

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	saaz late	70 g	60 min	3.76 %
Boil	Lublin (Lubelski)	30 g	20 min	4 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale

#### **Extras**

Туре	Name	Amount	Use for	Time
Spice	mech irlandzki	10 g	Boil	10 min