

# Lechu

- Gravity **11.7 BLG**
- ABV ---
- IBU **47**
- SRM **4.2**
- Style **Bohemian Pilsener**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **23.9 liter(s)**

## Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

## Mash step by step

- Heat up **18.6 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Sparge using **14.4 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Bohemian Pilsner Malt	3.5 kg (66%)	81 %	4
Grain	Weyermann - Pale Ale Malt	1.5 kg (28.3%)	85 %	7
Grain	Acid Malt	0.1 kg (1.9%)	58.7 %	6
Grain	Munich malt	0.2 kg (3.8%)	78 %	15

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Junga	40 g	60 min	10 %
Aroma (end of boil)	Lublin (Lubelski)	25 g	15 min	4 %
Aroma (end of boil)	Lublin (Lubelski)	25 g	0 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
M54 california lager	Lager	Dry	10 g	Mangrove jacks