

# Bock Koźlak

---

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **55**
- SRM **12.6**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

## Steps

- Temp **65 C**, Time **30 min**
- Temp **71 C**, Time **30 min**

## Mash step by step

- Heat up **18.9 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **30 min** at **65C**
- Keep mash **30 min** at **71C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Monachijski	3.5 kg (55.6%)	80 %	16
Grain	Strzegom Pilzneński	2.5 kg (39.7%)	80 %	4
Grain	Strzegom Karmel 300	0.3 kg (4.8%)	70 %	299

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	hallertauer taurus	40 g	60 min	14 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM30 Bohemska rapsodia	Lager	Liquid	1 ml	Fermentum Mobile