

# Kazbek extra pils

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- Gravity **12.1 BLG**
- ABV ---
- IBU **42**
- SRM **7.5**
- Style **Bohemian Pilsener**

## 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 **3.5 liter(s) / kg**
- Mash size **15.4 liter(s)**
- Total mash volume **19.8 liter(s)**

## Steps

- Temp **63 C**, Time **15 min**
- Temp **72 C**, Time **45 min**

## Mash step by step

- Heat up **15.4 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **15 min** at **63C**
- Keep mash **45 min** at **72C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.5 kg (56.8%)	80 %	4
Grain	Monachijski	1.7 kg (38.6%)	80 %	16
Grain	Strzegom Karmel 30	0.2 kg (4.5%)	75 %	30

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Kazbek	30 g	60 min	4.6 %
Boil	Kazbek	50 g	20 min	4.6 %
Boil	Kazbek	20 g	10 min	4.6 %
Boil	Kazbek	30 g	5 min	4.6 %

## Extras

Type	Name	Amount	Use for	Time
Fining	mech	10 g	Boil	15 min