

Kazbek Extra Pils

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **39**
- SRM **7.3**
- Style **German Pilsner (Pils)**

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 **13.2 liter(s)**
- Total mash volume **17.6 liter(s)**

Steps

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

Mash step by step

- Heat up **13.2 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **15 min** at **63C**
- Keep mash **45 min** at **72C**
- Sparge using **16.5 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	Strzegom Monachijski typ I	1.7 kg (38.6%)	79 %	16
Grain	Strzegom Karmel 150	0.2 kg (4.5%)	75 %	150

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 %
Dry Hop	Kazbek	40 g	7 day(s)	4.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	6 g	Boil	15 min