

## Koelsch 2.0

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- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **25**
- SRM **3.6**
- Style **Kölsch**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **2.5 %**
- Size with trub loss **10.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **12.6 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **6.7 liter(s)**
- Total mash volume **8.6 liter(s)**

### Steps

- Temp **64 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

### Mash step by step

- Heat up **6.7 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **45 min** at **64C**
- Keep mash **15 min** at **72C**
- Sparge using **7.8 liter(s)** of **76C** water or to achieve **12.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	1.6 kg (84.2%)	81 %	5
Grain	Pszeniczny	0.3 kg (15.8%)	85 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	lunga	8 g	60 min	9.5 %
Boil	Saaz (Czech Republic)	10 g	15 min	3.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM42 Stare Nadreńskie	Ale	Liquid	125 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Fining	Mech irlandzki	3 g	Boil	15 min