

## 31. KÖLSCH

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **22**
- SRM **4**
- Style **Kölsch**

### 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 **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

### Steps

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

### Mash step by step

- Heat up **13.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilznieński	3.5 kg (77.8%)	81 %	4
Grain	Pszeniczny	0.5 kg (11.1%)	85 %	4
Grain	Strzegom Monachijski typ I	0.5 kg (11.1%)	79 %	16

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challertau	25 g	60 min	5.9 %
Boil	Challertau	25 g	10 min	5.9 %