

# ala Koelsch

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **27**
- SRM **5.2**
- Style **Kölsch**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **55 C**, Time **15 min**
- Temp **65 C**, Time **45 min**
- Temp **75 C**, Time **15 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **15 min** at **55C**
- Keep mash **45 min** at **65C**
- Keep mash **15 min** at **75C**
- Sparge using **20 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	5 kg (76.9%)	82 %	4
Grain	Viking Wheat Malt	1 kg (15.4%)	83 %	5
Grain	Strzegom Bursztynowy	0.5 kg (7.7%)	70 %	49

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau	25 g	60 min	6 %
Boil	Hallertau	35 g	20 min	6 %
Boil	Hallertau	40 g	5 min	6 %
Dry Hop	Tettnang	30 g	3 day(s)	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew S-33	Ale	Dry	23 g	Safbrew