

# Kolsh

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **28**
- SRM **3.5**
- Style **Kölsch**

## Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **0 %**
- Size with trub loss **27 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

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

## Mash step by step

- Heat up **21 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **45 min** at **64C**
- Keep mash **15 min** at **72C**
- Sparge using **17.7 liter(s)** of **76C** water or to achieve **32.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5.5 kg (91.7%)	80 %	4
Grain	Pszeniczny	0.5 kg (8.3%)	85 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	25 g	60 min	10 %
Boil	Saaz (Czech Republic)	30 g	15 min	4 %
Boil	Saaz (Czech Republic)	50 g	1 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale K-97	Ale	Dry	14.85 g	---