

Koelsch #3

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **26**
- SRM **3.4**
- Style **Kölsch**

Batch size

- Expected quantity of finished beer **22.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **19.8 liter(s)** of **76C** water or to achieve **29.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---|-------------|-------|-----|
| Grain | Słód Pilsner® 2,5-4,5 EBC Weyermann | 5 kg (100%) | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------------------|--------|--------|------------|
| Aroma (end of boil) | Hallertau Mittelfruh | 100 g | 10 min | 5.1 % |
| Boil | Simcoe | 5 g | 60 min | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------------|------|-------|--------|-------------|
| Wyeast - 2565 Kolsch | Ale | Slant | 200 ml | Wyeast Labs |