kolonskie

- Gravity 12 BLG
- ABV ----
- IBU **26**
- SRM **4.4**
- 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 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 12 liter(s)
- Total mash volume 16 liter(s)

Steps

- Temp 55 C, Time 0 min
 Temp 72 C, Time 15 min
 Temp 64 C, Time 40 min
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up 12 liter(s) of strike water to 60.8C
- Add grains
- Keep mash 0 min at 55C
- · Keep mash 40 min at 64C
- Keep mash 15 min at 72C
- Keep mash 5 min at 78C
- Sparge using 17.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

| Туре | Name | Amount | Yield | EBC |
|-------|--------------------------------|-----------------------|-------|-----|
| Grain | Weyermann - Pilsner Malt | 3.5 kg <i>(87.5%)</i> | 81 % | 5 |
| Grain | Weyermann - Pale Wheat Malt | 0.5 kg <i>(12.5%)</i> | 85 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|--------|------------|
| Boil | Tettnang | 20 g | 30 min | 5.5 % |
| Boil | Tettnang | 10 g | 10 min | 5.5 % |
| Boil | Magnum | 10 g | 60 min | 10.5 % |

Yeasts

| Name | Туре | Form | Amount | Laboratory |
|------|------|-------|--------|------------|
| s 33 | Ale | Slant | 125 ml | |

Extras

| Type Name Amount Use for Time | |
|-------------------------------|--|
|-------------------------------|--|

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| Fining | l mech | lhα | Boil | I 10 min |
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