# carpils

- Gravity 12.4 BLG
- ABV 5 %
- IBU 39
- SRM **3.5**
- Style German Pilsner (Pils)

## **Batch size**

- Expected quantity of finished beer 21 liter(s)
- Trub loss 5 %
- Size with trub loss 22.1 liter(s)
- · Boil time 80 min
- Evaporation rate 10 %/h
- Boil size 27.3 liter(s)

### **Mash information**

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15.3 liter(s)
- Total mash volume 20.4 liter(s)

### **Steps**

- Temp **62 C**, Time **30 min** Temp **72 C**, Time **15 min**
- Temp **77 C**, Time **1 min**

# Mash step by step

- Heat up 15.3 liter(s) of strike water to 69C
- Add grains
- Keep mash 30 min at 62C
- Keep mash 15 min at 72C
- Keep mash 1 min at 77C
- Sparge using 17.1 liter(s) of 76C water or to achieve 27.3 liter(s) of wort

## **Fermentables**

| Туре  | Name                    | Amount                | Yield | EBC |
|-------|-------------------------|-----------------------|-------|-----|
| Grain | Pilzneński              | 4.1 kg <i>(80.4%)</i> | 81 %  | 4   |
| Grain | Weyermann -<br>Carapils | 0.7 kg (13.7%)        | 78 %  | 4   |
| Grain | viking malt cookie      | 0.3 kg <i>(5.9%)</i>  | %     |     |

### Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 80 g   | 60 min | 4 %        |
| Boil    | Lublin (Lubelski) | 20 g   | 20 min | 4 %        |

## **Yeasts**

| Name   | Туре  | Form  | Amount | Laboratory |
|--------|-------|-------|--------|------------|
| w34/70 | Lager | Slant | 500 ml |            |

# **Notes**

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