

# Lager Wiedeński

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **19**
- SRM **6.8**
- Style **Vienna Lager**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **30 min**

## Mash step by step

- Heat up **14.1 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **63C**
- Keep mash **30 min** at **72C**
- Sparge using **17.1 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount         | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Viking Vienna Malt          | 3.2 kg (68.1%) | 79 %  | 7   |
| Grain | Viking Munich Malt          | 1.2 kg (25.5%) | 78 %  | 18  |
| Grain | Caramunich® typ I           | 0.2 kg (4.3%)  | 73 %  | 90  |
| Grain | Weyermann - Acidulated Malt | 0.1 kg (2.1%)  | 80 %  | 6   |

## Hops

| Use for | Name  | Amount | Time   | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil    | lunga | 15 g   | 60 min | 12 %       |

## Yeasts

| Name             | Type  | Form  | Amount | Laboratory |
|------------------|-------|-------|--------|------------|
| Saflager W 34/70 | Lager | Slant | 180 ml | Fermentis  |