

# Vienna Lager

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **26**
- SRM **12**
- Style **Vienna Lager**

## Batch size

- Expected quantity of finished beer **16.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **20.9 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.45 liter(s) / kg**
- Mash size **12.8 liter(s)**
- Total mash volume **16.5 liter(s)**

## Steps

- Temp **68 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **12.8 liter(s)** of strike water to **75C**
- Add grains
- Keep mash **45 min** at **68C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **11.8 liter(s)** of **76C** water or to achieve **20.9 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount          | Yield | EBC |
|-------|----------------------|-----------------|-------|-----|
| Grain | Strzegom Wiedeński   | 3.1 kg (83.5%)  | 79 %  | 10  |
| Grain | Caramunich® typ I    | 0.445 kg (12%)  | 73 %  | 80  |
| Grain | Viking Melanoidynowy | 0.093 kg (2.5%) | 75 %  | 60  |
| Grain | Carafa               | 0.075 kg (2%)   | 70 %  | 664 |

## Hops

| Use for | Name            | Amount | Time   | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil    | Hallertau Blanc | 20 g   | 60 min | 9.5 %      |

## Yeasts

| Name             | Type  | Form | Amount | Laboratory |
|------------------|-------|------|--------|------------|
| Saflager W 34/70 | Lager | Dry  | 23 g   | Fermentis  |