

VLaga

- Gravity **12.6 BLG**
- ABV ---
- IBU **22**
- SRM ---
- Style **Vienna Lager**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **2 %**
- Size with trub loss **25.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **19.3 liter(s)**

Steps

- Temp **45 C**, Time **10 min**
- Temp **53 C**, Time **20 min**
- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **13.8 liter(s)** of strike water to **50C**
- Add grains
- Keep mash **10 min** at **45C**
- Keep mash **20 min** at **53C**
- Keep mash **45 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **21.2 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Weyermann - Vienna Malt | 4.7 kg (85.5%) | 81 % | --- |
| Grain | Strzegom Monachijski typ II | 0.5 kg (9.1%) | 79 % | --- |
| Grain | Bestmalz Carmel Pils | 0.3 kg (5.5%) | 75 % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil | Saaz (Czech Republic) | 35 g | 60 min | 4.5 % |
| Aroma (end of boil) | Saaz (Czech Republic) | 25 g | 20 min | 4.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------|-------|------|--------|------------|
| Saflager S-23 | Lager | Dry | 11.5 g | fermentis |

Notes

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