

# 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