

Amber lager

- Gravity **11.7 BLG**
- ABV **---**
- IBU **34**
- SRM **12.2**
- Style **Vienna Lager**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13 liter(s)**
- Total mash volume **17.4 liter(s)**

Steps

- Temp **64 C**, Time **25 min**
- Temp **72 C**, Time **40 min**

Mash step by step

- Heat up **13 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **25 min** at **64C**
- Keep mash **40 min** at **72C**
- Sparge using **16.9 liter(s)** of **76C** water or to achieve **25.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3.5 kg (80.5%)	81 %	4
Grain	Viking melanoidynowy	0.5 kg (11.5%)	75 %	60
Grain	Strzegom Karmel 300	0.3 kg (6.9%)	70 %	150
Grain	Fawcett - Pszeniczny Czekoladowy	0.05 kg (1.1%)	73 %	1001

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	25 g	45 min	12 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Fining	Mech	7 g	Boil	15 min