

Lekko dymiony Lager

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **19**
- SRM **3.6**
- Style **Classic Rauchbier**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.2 liter(s)**
- Total mash volume **23.4 liter(s)**

Steps

- Temp **62 C**, Time **45 min**
- Temp **70 C**, Time **30 min**

Mash step by step

- Heat up **18.2 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **30 min** at **70C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg (76.9%)	80 %	4
Grain	Słód Wędzony Steinbach	0.7 kg (13.5%)	80 %	5
Grain	Weyermann - Carapils	0.3 kg (5.8%)	78 %	4
Grain	Pszeniczny	0.2 kg (3.8%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nadwiślański	25 g	60 min	5.9 %
Aroma (end of boil)	Nadwiślaski	25 g	5 min	5.9 %

Yeasts

Name	Type	Form	Amount	Laboratory
WLP840 - American Lager Yeast	Lager	Liquid	300 ml	White Labs