

## stout wędzony

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **26**
- SRM **27**
- Style **Sweet Stout**

### 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 **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **13.5 liter(s)** of **76C** water or to achieve **25.5 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg (58.3%)	80 %	5
Grain	Słód Wędzony Steinbach	1.5 kg (25%)	80 %	5
Grain	słód czekoladowy	0.25 kg (4.2%)	--- %	900
Grain	Jęczmień palony	0.25 kg (4.2%)	55 %	985
Grain	Płatki owsiane	0.5 kg (8.3%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Oktawia	20 g	60 min	7.1 %
Boil	Oktawia	30 g	15 min	7.1 %