

## smoked

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- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **33**
- SRM **4.7**
- Style **Other Smoked Beer**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **77 C**, Time **10 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **77C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	viking malt wędzony torfem	2 kg (40%)	80 %	5
Grain	Viking Malt Wędzony Czereśnią	1 kg (20%)	82 %	10
Grain	Malteurop Pale Ale	2 kg (40%)	80 %	6

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	10 %
Boil	Marynka	30 g	1 min	10 %
Boil	Lublin (Lubelski)	20 g	1 min	4 %