

kiefbatron

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **27**
- SRM **5.5**
- Style **Other Smoked Beer**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.1 liter(s)**
- Total mash volume **28.4 liter(s)**

Steps

- Temp **66 C**, Time **60 min**

Mash step by step

- Heat up **22.1 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **14.6 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód Wędzony Steinbach	5 kg (79.4%)	80 %	5
Grain	Strzegom Monachijski typ II	1 kg (15.9%)	79 %	22
Grain	Żytni	0.3 kg (4.8%)	85 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	15 g	60 min	12.5 %
Boil	lunga	15 g	20 min	12.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	150 ml	fermentis