

Sour Ale

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **30**
- SRM **4**
- Style **Specialty Beer**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.3 liter(s)**

Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.4 liter(s)**
- Total mash volume **23.6 liter(s)**

Steps

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

Mash step by step

- Heat up **18.4 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **14.2 liter(s)** of **76C** water or to achieve **27.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.8 kg (91.4%)	80 %	5
Grain	Weyermann - Carapils	0.25 kg (4.8%)	78 %	4
Grain	Pszeniczny	0.2 kg (3.8%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	28 g	60 min	11 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	250 ml	Fermentum Mobile

Notes

- Zakwaszać 1 paczką Sanprobi przez 48 godzin. Dopisać owoce
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