

## chestnuts brown ale

- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **22**
- SRM **14.1**
- Style **Southern English Brown**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **16.1 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

### Steps

- Temp **68 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **10.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **40 min** at **68C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **9.1 liter(s)** of **76C** water or to achieve **16.1 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	2 kg (44.4%)	79 %	6
Grain	Biscuit Malt	0.5 kg (11.1%)	79 %	45
Grain	Abbey Castle	0.5 kg (11.1%)	80 %	45
Grain	Cara Gold	0.5 kg (11.1%)	75 %	120
Adjunct	kasztany jadalne	1 kg (22.2%)	50 %	---

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	20 g	60 min	6.1 %
Aroma (end of boil)	Fuggles	10 g	15 min	6.1 %
Dry Hop	Fuggles	20 g	7 day(s)	6.1 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale

### Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	5 g	Boil	15 min