

# A'la Brown Ale

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **25**
- SRM **11.1**
- Style **Northern English Brown Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

## Steps

- Temp **53 C**, Time **15 min**
- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

## Mash step by step

- Heat up **14.1 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **15 min** at **53C**
- Keep mash **45 min** at **63C**
- Keep mash **15 min** at **72C**
- Sparge using **18.2 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3 kg (63.8%)	79 %	6
Grain	Brown Malt (British Chocolate)	0.5 kg (10.6%)	70 %	128
Grain	Strzegom Pszeniczny	1 kg (21.3%)	81 %	6
Grain	Caramel/Crystal Malt - 120L	0.2 kg (4.3%)	72 %	236

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	60 min	13.5 %
Boil	East Kent Goldings	20 g	5 min	6.8 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	100 ml	Fermentis