

## Summer Ale (zestaw Twój Browar)

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **41**
- SRM **5.3**
- Style **American Amber Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **3 %**
- Size with trub loss **20.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **22.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16.3 liter(s)**

### Steps

- Temp **63 C**, Time **30 min**
- Temp **73 C**, Time **30 min**

### Mash step by step

- Heat up **12 liter(s)** of strike water to **70.7C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **73C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **22.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilznieński	2 kg (46.5%)	81 %	4
Grain	Pszeniczny	0.3 kg (7%)	85 %	4
Grain	Strzegom Wiedeński	1.6 kg (37.2%)	79 %	10
Grain	Karmelowy Jasny 30EBC	0.4 kg (9.3%)	75 %	30

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Galaxy	8 g	60 min	15 %
Boil	Motueka	20 g	15 min	7 %
Boil	Amarillo	20 g	10 min	9.5 %
Boil	Galaxy	25 g	5 min	15 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis