

Summer Ale

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **32**
- SRM **4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **23.4 liter(s)** of **76C** water or to achieve **35.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (41.7%)	80 %	5
Grain	Strzegom Pilzneński	2.5 kg (41.7%)	80 %	4
Grain	Pszeniczny	0.7 kg (11.7%)	85 %	4
Grain	Karmelowy Jasny 30EBC	0.3 kg (5%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	15 g	60 min	13 %
Boil	Chinook	15 g	20 min	13 %
Boil	Citra	20 g	10 min	12 %
Boil	Citra	20 g	0 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	60 ml	---

Extras

Type	Name	Amount	Use for	Time
------	------	--------	---------	------

Spice	Mięta syryjska	12.5 g	Boil	10 min
Spice	Mięta syryjska	12.5 g	Boil	5 min