

LEMONADE ALE

- Gravity **9.5 BLG**
- ABV **3.7 %**
- IBU **14**
- SRM **2.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6.4 liter(s)**
- Total mash volume **8.6 liter(s)**

Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

Mash step by step

- Heat up **6.4 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Sparge using **11 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1 kg (46.5%)	81 %	4
Grain	Pszeniczny	1 kg (46.5%)	85 %	4
Grain	Oats, Flaked	0.15 kg (7%)	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Saaz (Czech Republic)	30 g	15 min	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew S-33	Ale	Slant	100 ml	Safbrew

Extras

Type	Name	Amount	Use for	Time
Flavor	Yerba marak.-jabł.	1000 g	Secondary	7 day(s)
Herb	świeża mięta	3 g	Boil	5 min
Flavor	zest z limonki	3 g	Boil	5 min