

LIME SOUR APA

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **25**
- SRM **3.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

Steps

- Temp **67 C**, Time **65 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **15.8 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **65 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **16.5 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	3 kg (66.7%)	81 %	5
Grain	Pszeniczny	1 kg (22.2%)	85 %	4
Grain	Płatki owsiane	0.5 kg (11.1%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	100 g	5 min	12 %
Boil	Cascade	100 g	0 min	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Lutra OYL-071	Ale	Slant	100 ml	Omega

Extras

Type	Name	Amount	Use for	Time
Flavor	sok limonka	5000 g	Primary	7 day(s)