

## Browar LEW - APA 40l - update

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- Gravity **12.1 BLG**
- ABV ---
- IBU **33**
- SRM **4.5**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **44 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **48.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **33.9 liter(s)**
- Total mash volume **43.6 liter(s)**

### Steps

- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **33.9 liter(s)** of strike water to **69.2C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **24.1 liter(s)** of **76C** water or to achieve **48.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	8 kg (82.5%)	80 %	5
Grain	Monachijski	1 kg (10.3%)	80 %	16
Grain	Weyermann - Carapils	0.7 kg (7.2%)	78 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	13.5 %
Boil	Centennial	50 g	15 min	10.5 %
Dry Hop	Simcoe	100 g	5 day(s)	13.2 %
Boil	Cascade	50 g	0 min	6 %
Dry Hop	Vic Secret	100 g	5 day(s)	16.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	150 ml	Fermentis