

## APA MK2

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- Gravity **14.3 BLG**
- ABV ---
- IBU **44**
- SRM **11.1**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

### Steps

- Temp **53 C**, Time **15 min**
- Temp **68 C**, Time **40 min**
- Temp **76 C**, Time **10 min**

### Mash step by step

- Heat up **19.5 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **15 min** at **53C**
- Keep mash **40 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4.5 kg (69.2%)	79 %	6
Grain	Strzegom Monachijski typ I	1 kg (15.4%)	79 %	16
Grain	Strzegom Bursztynowy	1 kg (15.4%)	70 %	49

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	30 g	40 min	11.7 %
Boil	Cascade	30 g	15 min	6.8 %
Boil	Cascade	10 g	40 min	6.8 %

### Yeasts

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