

# Klasyczna APA

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **30**
- SRM **5**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19.8 liter(s)**

## Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

## Steps

- Temp **68 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **14 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **50 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **9.8 liter(s)** of **76C** water or to achieve **19.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (50%)	80 %	5
Grain	Pilznieński	1 kg (25%)	81 %	4
Grain	Pszeniczny	0.5 kg (12.5%)	85 %	4
Grain	Abbey Malt Weyermann	0.25 kg (6.3%)	75 %	45
Grain	Płatki pszeniczne	0.25 kg (6.3%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	20 min	12 %
Aroma (end of boil)	Citra	10 g	0 min	12 %
Whirlpool	Cascade	30 g	20 min	6 %
Dry Hop	Galaxy	100 g	2 day(s)	15 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	100 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Fining	mech Irlandzki	5 g	Boil	10 min