

# Algorithm - American Pale Ale v. 1.0

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- Gravity **11.9 BLG**
- ABV ---
- IBU **70**
- SRM **5.7**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

## Steps

- Temp **52 C**, Time **15 min**
- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **15 min** at **52C**
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **78C**
- Sparge using **20.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount        | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale   | 4 kg (72.7%)  | 79 %  | 6   |
| Grain | Strzegom Wiedeński  | 1 kg (18.2%)  | 79 %  | 10  |
| Grain | Strzegom Pszeniczny | 0.5 kg (9.1%) | 81 %  | 6   |

## Hops

| Use for             | Name    | Amount | Time   | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil                | Chinook | 30 g   | 50 min | 13 %       |
| Boil                | Citra   | 30 g   | 30 min | 12 %       |
| Aroma (end of boil) | Mosaic  | 30 g   | 5 min  | 10 %       |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | Fermentis  |