

# APA Light

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **31**
- SRM **5.4**
- Style **American IPA**

## 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 **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **66C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount        | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt  | 3 kg (50%)    | 85 %  | 7   |
| Grain | Strzegom Monachijski typ I | 1 kg (16.7%)  | 79 %  | 16  |
| Grain | Weyermann - Carapils       | 0.5 kg (8.3%) | 78 %  | 4   |
| Grain | Strzegom Wiedeński         | 1 kg (16.7%)  | 79 %  | 10  |
| Grain | płatki jęczmienne          | 0.5 kg (8.3%) | 60 %  | 4   |

## Hops

| Use for | Name  | Amount | Time     | Alpha acid |
|---------|-------|--------|----------|------------|
| Boil    | lunga | 25 g   | 40 min   | 11 %       |
| Boil    | Citra | 25 g   | 10 min   | 12.9 %     |
| Boil    | Citra | 25 g   | 0 min    | 12.9 %     |
| Dry Hop | Citra | 50 g   | 4 day(s) | 12.9 %     |

## Yeasts

| <b>Name</b>          | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|----------------------|-------------|-------------|---------------|-------------------|
| FM52 Amerykański Sen | Ale         | Liquid      | 30 ml         | ---               |