

# Kaffir APA

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **34**
- SRM **4.1**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **12.5 liter(s)**
- Trub loss **4 %**
- Size with trub loss **13 liter(s)**
- Boil time **75 min**
- Evaporation rate **20 %/h**
- Boil size **16.8 liter(s)**

## Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3.9 liter(s) / kg**
- Mash size **10.4 liter(s)**
- Total mash volume **13.1 liter(s)**

## Steps

- Temp **76 C**, Time **10 min**
- Temp **68 C**, Time **60 min**

## Mash step by step

- Heat up **10.4 liter(s)** of strike water to **74.2C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **9.1 liter(s)** of **76C** water or to achieve **16.8 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount          | Yield | EBC |
|-------|-----------------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt        | 1.2 kg (44.9%)  | 80 %  | 5   |
| Grain | Strzegom Pilzniejszy        | 0.8 kg (29.9%)  | 80 %  | 4   |
| Grain | Pszeniczny                  | 0.5 kg (18.7%)  | 85 %  | 4   |
| Grain | Carahell                    | 0.125 kg (4.7%) | 77 %  | 26  |
| Grain | Weyermann - Acidulated Malt | 0.05 kg (1.9%)  | 80 %  | 6   |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Chinook | 15 g   | 60 min | 12 %       |

## Yeasts

| Name              | Type | Form  | Amount | Laboratory |
|-------------------|------|-------|--------|------------|
| WLP066 London Fog | Ale  | Slant | 100 ml | ---        |

## Extras

| Type   | Name           | Amount | Use for   | Time     |
|--------|----------------|--------|-----------|----------|
| Flavor | Kaffir         | 10 g   | Boil      | 10 min   |
| Flavor | Zest z limonki | 5 g    | Secondary | 5 day(s) |

|       |            |     |          |     |
|-------|------------|-----|----------|-----|
| Other | Witamina C | 2 g | Bottling | --- |
|-------|------------|-----|----------|-----|