

# Lite apa

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **33**
- SRM **4.5**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **18.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.4 liter(s)**
- Total mash volume **12.6 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **9.4 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **12.3 liter(s)** of **76C** water or to achieve **18.5 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount         | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt        | 2.5 kg (79.4%) | 80 %  | 5   |
| Grain | Płatki pszeniczne           | 0.5 kg (15.9%) | 85 %  | 3   |
| Grain | Weyermann - Melanoiden Malt | 0.15 kg (4.8%) | 81 %  | 60  |

## Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Citra   | 10 g   | 60 min   | 12 %       |
| Boil    | Citra   | 10 g   | 30 min   | 12 %       |
| Boil    | Citra   | 20 g   | 0 min    | 12 %       |
| Boil    | Chinook | 30 g   | 0 min    | 13 %       |
| Boil    | Simcoe  | 30 g   | 0 min    | 13.2 %     |
| Dry Hop | Citra   | 30 g   | 4 day(s) | 12 %       |
| Dry Hop | Chinook | 30 g   | 4 day(s) | 13 %       |
| Dry Hop | Simcoe  | 30 g   | 4 day(s) | 13.2 %     |

## Yeasts

| Name        | Type | Form  | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale  | Slant | 20 ml  | Safale     |

## Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type | Name                          | Amount | Use for | Time  |
|------|-------------------------------|--------|---------|-------|
| Herb | Herbata zielona z brzoskwinia | 30 g   | Boil    | 0 min |