

# AIPA

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **74**
- SRM **4.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.7 liter(s)**
- Total mash volume **27.6 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **20.7 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **78C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński  | 5 kg (72.5%)  | 80 %  | 4   |
| Grain | Pszeniczny           | 1 kg (14.5%)  | 85 %  | 4   |
| Grain | Słód owsiany Fawcett | 0.5 kg (7.2%) | 61 %  | 5   |
| Grain | Oats, Flaked         | 0.4 kg (5.8%) | 80 %  | 2   |

## Hops

| Use for   | Name      | Amount | Time     | Alpha acid |
|-----------|-----------|--------|----------|------------|
| Boil      | lunga     | 50 g   | 60 min   | 11.5 %     |
| Whirlpool | Ahhhroma! | 50 g   | 20 min   | 16.7 %     |
| Dry Hop   | Mosaic    | 100 g  | 3 day(s) | 10 %       |
| Dry Hop   | Chinook   | 100 g  | 3 day(s) | 13 %       |
| Dry Hop   | Ahhhroma! | 50 g   | 3 day(s) | 16.7 %     |

## Yeasts

| Name          | Type | Form  | Amount | Laboratory |
|---------------|------|-------|--------|------------|
| Lutra OYL-071 | Ale  | Slant | 200 ml | Omega      |

## Extras

| Type        | Name              | Amount | Use for | Time   |
|-------------|-------------------|--------|---------|--------|
| Water Agent | Lactic Acid       | 10 g   | Mash    | 60 min |
| Water Agent | CaCl <sub>2</sub> | 5 g    | Mash    | 60 min |
| Fining      | Mech Irlandzki    | 5 g    | Boil    | 10 min |