

# Mosaic APA

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **35**
- SRM **9.8**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **22.1 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

## Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **12 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **22.1 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield  | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Special B Malt       | 0.2 kg (5%)    | 65.2 % | 350 |
| Grain | Viking Pale Ale malt | 3 kg (75%)     | 80 %   | 5   |
| Grain | Płatki owsiane       | 0.5 kg (12.5%) | 60 %   | 3   |
| Grain | Strzegom Wiedeński   | 0.3 kg (7.5%)  | 79 %   | 10  |

## Hops

| Use for             | Name   | Amount | Time   | Alpha acid |
|---------------------|--------|--------|--------|------------|
| Boil                | magnum | 10 g   | 60 min | 10.6 %     |
| Boil                | mosaic | 20 g   | 20 min | 12.3 %     |
| Aroma (end of boil) | mosaic | 10 g   | 0 min  | 12.3 %     |

## Yeasts

| Name   | Type  | Form  | Amount | Laboratory |
|--------|-------|-------|--------|------------|
| gęstwa | Lager | Slant | 200 ml | ---        |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |          |     |      |        |
|--------|----------|-----|------|--------|
| Fining | whirfloc | 5 g | Boil | 15 min |
|--------|----------|-----|------|--------|