

# MOSAIC APA

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **42**
- SRM **4.3**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

## Mash information

- Mash efficiency **67 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **55 C**, Time **5 min**
- Temp **64 C**, Time **25 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **5 min** at **55C**
- Keep mash **25 min** at **64C**
- Keep mash **25 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

## Fermentables

| Type  | Name       | Amount        | Yield | EBC |
|-------|------------|---------------|-------|-----|
| Grain | Pilzneński | 5 kg (76.9%)  | 81 %  | 2.5 |
| Grain | Carabelge  | 0.5 kg (7.7%) | 80 %  | 30  |
| Grain | Pszeniczny | 1 kg (15.4%)  | 85 %  | 4   |

## Hops

| Use for | Name   | Amount | Time     | Alpha acid |
|---------|--------|--------|----------|------------|
| Boil    | MAGNUM | 10 g   | 60 min   | 14 %       |
| Boil    | MOSAIC | 15 g   | 30 min   | 11.8 %     |
| Boil    | Mosaic | 30 g   | 15 min   | 11.8 %     |
| Dry Hop | Mosaic | 15 g   | 7 day(s) | 11.8 %     |
| Dry Hop | Citra  | 30 g   | 7 day(s) | 11.8 %     |
| Boil    | Citra  | 30 g   | 0 min    | 11.8 %     |
| Boil    | Mosaic | 15 g   | 0 min    | 11.8 %     |

## Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|              |     |     |        |           |
|--------------|-----|-----|--------|-----------|
| Safale US-05 | Ale | Dry | 11.4 g | Fermentis |
|--------------|-----|-----|--------|-----------|