

# IMPERIAL AIPA

- Gravity **20 BLG**
- ABV ---
- IBU **108**
- SRM **5**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **22 %/h**
- Boil size **28.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Steps

- Temp **67 C**, Time **70 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **12.9 liter(s)** of **76C** water or to achieve **28.9 liter(s)** of wort

## Fermentables

| Type  | Name                      | Amount         | Yield | EBC |
|-------|---------------------------|----------------|-------|-----|
| Grain | Simpsons - Golden Promise | 3.4 kg (42.5%) | 81 %  | 4   |
| Grain | Pilzński                  | 3 kg (37.5%)   | 81 %  | 4   |
| Grain | Płatki owsiane            | 0.8 kg (10%)   | 85 %  | 3   |
| Grain | Pszeniczny                | 0.8 kg (10%)   | 85 %  | 4   |

## Hops

| Use for | Name                   | Amount | Time     | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil    | Columbus/Tomahawk/Zeus | 20 g   | 60 min   | 15.5 %     |
| Boil    | Mosaic                 | 50 g   | 20 min   | 10 %       |
| Boil    | Citra                  | 50 g   | 20 min   | 13.5 %     |
| Boil    | Mosaic                 | 50 g   | 7 min    | 10 %       |
| Boil    | Citra                  | 50 g   | 7 min    | 12 %       |
| Dry Hop | Mosaic                 | 50 g   | 5 day(s) | 10 %       |
| Dry Hop | Citra                  | 100 g  | 5 day(s) | 13.5 %     |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| us-05 | Ale  | Dry  | 22 g   | fermentis  |

## Extras

| Type        | Name | Amount | Use for | Time   |
|-------------|------|--------|---------|--------|
| Fining      | mech | 5 g    | Boil    | 15 min |
| Water Agent | gips | 8 g    | Mash    | 60 min |