

# Imperial IPA

- Gravity **17.7 BLG**
- ABV ---
- IBU **65**
- SRM **10.5**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

## Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.2 liter(s)**
- Total mash volume **25.6 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**

## Mash step by step

- Heat up **19.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

## Fermentables

| Type  | Name               | Amount         | Yield | EBC |
|-------|--------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale  | 5.2 kg (81.3%) | 79 %  | 6   |
| Grain | Strzegom Wiedeński | 1 kg (15.6%)   | 79 %  | 10  |
| Grain | Crystal II         | 0.2 kg (3.1%)  | 71 %  | 200 |

## Hops

| Use for   | Name     | Amount | Time     | Alpha acid |
|-----------|----------|--------|----------|------------|
| Boil      | Mosaic   | 50 g   | 60 min   | 10 %       |
| Boil      | Amarillo | 30 g   | 10 min   | 9.5 %      |
| Boil      | Mosaic   | 20 g   | 30 min   | 10 %       |
| Whirlpool | Amarillo | 20 g   | 0 min    | 9.5 %      |
| Whirlpool | Citra    | 20 g   | 0 min    | 12 %       |
| Dry Hop   | Amarillo | 30 g   | 6 day(s) | 9.5 %      |
| Dry Hop   | Citra    | 30 g   | 6 day(s) | 12 %       |

## Yeasts

| Name                             | Type | Form | Amount | Laboratory |
|----------------------------------|------|------|--------|------------|
| Mangrove Jack's M79 Burton Union | Ale  | Dry  | 40 g   | ---        |

## Extras

| Type  | Name            | Amount | Use for   | Time     |
|-------|-----------------|--------|-----------|----------|
| Spice | Płatki cedrowe  | 30 g   | Secondary | 4 day(s) |
| Spice | Trawa cytrynowa | 15 g   | Boil      | 5 min    |