

# Imperial IPA

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **84**
- SRM **11.1**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **16.4 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

## Steps

- Temp **65 C**, Time **80 min**
- Temp **77 C**, Time **5 min**

## Mash step by step

- Heat up **15.9 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **80 min** at **65C**
- Keep mash **5 min** at **77C**
- Sparge using **5.8 liter(s)** of **76C** water or to achieve **16.4 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount        | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt       | 3.5 kg (66%)  | 80 %  | 5   |
| Grain | Strzegom Monachijski typ I | 1 kg (18.9%)  | 79 %  | 16  |
| Grain | Viking Wheat Malt          | 0.5 kg (9.4%) | 83 %  | 5   |
| Grain | Strzegom Karmel 150        | 0.3 kg (5.7%) | 75 %  | 150 |

## Hops

| Use for             | Name      | Amount | Time   | Alpha acid |
|---------------------|-----------|--------|--------|------------|
| Boil                | Warrior   | 20 g   | 60 min | 18.5 %     |
| Boil                | Pekko     | 10 g   | 20 min | 15.6 %     |
| Boil                | El Dorado | 10 g   | 10 min | 13.7 %     |
| Aroma (end of boil) | Chinook   | 10 g   | 10 min | 13 %       |
| Boil                | Simcoe    | 10 g   | 5 min  | 11.5 %     |
| Boil                | Citra     | 10 g   | 5 min  | 12 %       |
| Aroma (end of boil) | Mosaic    | 10 g   | 5 min  | 10 %       |

## Yeasts

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

|              |     |       |        |     |
|--------------|-----|-------|--------|-----|
| Safale US-05 | Ale | Slant | 100 ml | --- |
|--------------|-----|-------|--------|-----|