

# ORANGE IPA

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **9**
- SRM **4.5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.2 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **21.4 liter(s)**

## Steps

- Temp **67 C**, Time **40 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **0 min**

## Mash step by step

- Heat up **14.7 liter(s)** of strike water to **77.7C**
- Add grains
- Keep mash **40 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (74.6%)   | 80 %  | 4.5 |
| Grain | Pszeniczny           | 1 kg (14.9%)   | 85 %  | 4.2 |
| Grain | Płatki owsiane       | 0.7 kg (10.4%) | 85 %  | 3   |

## Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| First Wort          | Marynka | 13 g   | 60 min   | 6.8 %      |
| Aroma (end of boil) | Mosaic  | 50 g   | 0 min    | 12.4 %     |
| Dry Hop             | Chinook | 75 g   | 7 day(s) | 8.5 %      |
| Dry Hop             | Citra   | 80 g   | 5 day(s) | 13.7 %     |
| Dry Hop             | Cascade | 50 g   | 5 day(s) | 4 %        |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.5 g | Fermentis  |

## Extras

| Type   | Name              | Amount | Use for   | Time     |
|--------|-------------------|--------|-----------|----------|
| Flavor | Skórka pomarańczy | 150 g  | Secondary | 7 day(s) |