

# WHITE IPA

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **32**
- SRM **3.8**
- Style **White IPA**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **22.6 liter(s)**

## Steps

- Temp **67 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

## Mash step by step

- Heat up **17.8 liter(s)** of strike water to **73.3C**
- Add grains
- Keep mash **45 min** at **67C**
- Keep mash **15 min** at **72C**
- Sparge using **11.1 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount         | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Viking Wheat Malt   | 2 kg (41.7%)   | 83 %  | 5   |
| Grain | Viking Pilsner malt | 2 kg (41.7%)   | 82 %  | 4   |
| Grain | Płatki owsiane      | 0.8 kg (16.7%) | 85 %  | 3   |

## Hops

| Use for             | Name  | Amount | Time     | Alpha acid |
|---------------------|-------|--------|----------|------------|
| Boil                | Citra | 10 g   | 60 min   | 12 %       |
| Aroma (end of boil) | Citra | 20 g   | 15 min   | 12 %       |
| Aroma (end of boil) | Citra | 20 g   | 5 min    | 12 %       |
| Dry Hop             | Citra | 50 g   | 5 day(s) | 12 %       |

## Yeasts

| Name            | Type | Form   | Amount | Laboratory |
|-----------------|------|--------|--------|------------|
| FM53 Voss kveik | Ale  | Liquid | 125 ml | FM         |

## Extras

| Type  | Name              | Amount | Use for | Time   |
|-------|-------------------|--------|---------|--------|
| Spice | Kolendra          | 10 g   | Boil    | 10 min |
| Spice | Zest z pomarańczy | 20 g   | Boil    | 10 min |

|       |                   |      |           |          |
|-------|-------------------|------|-----------|----------|
| Spice | Zest z pomarańczy | 40 g | Secondary | 5 day(s) |
|-------|-------------------|------|-----------|----------|