

# White IPA

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **41**
- SRM **3.6**
- Style **White IPA**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount         | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Pilzneński        | 3 kg (50%)     | 81 %  | 4   |
| Grain | Płatki pszeniczne | 2.5 kg (41.7%) | 85 %  | 3   |
| Grain | Płatki owsiane    | 0.5 kg (8.3%)  | 85 %  | 3   |

## Hops

| Use for   | Name    | Amount | Time     | Alpha acid |
|-----------|---------|--------|----------|------------|
| Boil      | Chinook | 35 g   | 60 min   | 11 %       |
| Whirlpool | Citra   | 35 g   | 10 min   | 12 %       |
| Dry Hop   | Galaxy  | 50 g   | 3 day(s) | 15 %       |

## Yeasts

| Name                 | Type | Form   | Amount | Laboratory       |
|----------------------|------|--------|--------|------------------|
| FM55 Zielone Wzgórze | Ale  | Liquid | 200 ml | Fermentum Mobile |

## Extras

| Type  | Name     | Amount | Use for | Time  |
|-------|----------|--------|---------|-------|
| Spice | kolendra | 15 g   | Boil    | 1 min |

|       |                   |      |      |       |
|-------|-------------------|------|------|-------|
| Spice | skórka pomarańczy | 30 g | Boil | 1 min |
| Spice | aframon           | 5 g  | Boil | 1 min |