

# White IPA

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **59**
- SRM **4.2**
- Style **White IPA**

## Batch size

- Expected quantity of finished beer **58 liter(s)**
- Trub loss **5 %**
- Size with trub loss **60.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **73.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **47.1 liter(s)**
- Total mash volume **62.8 liter(s)**

## Steps

- Temp **52 C**, Time **20 min**
- Temp **67 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **47.1 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **70 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **42 liter(s)** of **76C** water or to achieve **73.4 liter(s)** of wort

## Fermentables

| Type  | Name              | Amount         | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale | 7.3 kg (46.5%) | 79 %  | 6   |
| Grain | Pszeniczny        | 4.3 kg (27.4%) | 85 %  | 4   |
| Grain | Płatki pszeniczne | 2.9 kg (18.5%) | 85 %  | 3   |
| Grain | Płatki owsiane    | 1.2 kg (7.6%)  | 85 %  | 3   |

## Hops

| Use for   | Name                   | Amount | Time     | Alpha acid |
|-----------|------------------------|--------|----------|------------|
| Boil      | Columbus/Tomahawk/Zeus | 80 g   | 60 min   | 14.7 %     |
| Boil      | Mosaic                 | 60 g   | 15 min   | 12.4 %     |
| Boil      | centenial              | 30 g   | 10 min   | 9.4 %      |
| Whirlpool | Mosaic                 | 29 g   | 0 min    | 12.4 %     |
| Dry Hop   | Mosaic                 | 60 g   | 3 day(s) | 12.4 %     |
| Dry Hop   | Centennial             | 60 g   | 3 day(s) | 9.4 %      |

## Yeasts

| Name                | Type  | Form   | Amount  | Laboratory       |
|---------------------|-------|--------|---------|------------------|
| FM23 magiczny ogród | Wheat | Liquid | 1015 ml | Fermentum Mobile |

## Extras

| Type  | Name              | Amount | Use for | Time  |
|-------|-------------------|--------|---------|-------|
| Spice | kolendra          | 15 g   | Boil    | 5 min |
| Spice | skurka pomarańczy | 25 g   | Boil    | 5 min |