

Wheat IPA IV

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **62**
- SRM **4.2**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **70 min**
- Evaporation rate **5 %/h**
- Boil size **26.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.4 liter(s)**
- Total mash volume **27.2 liter(s)**

Steps

- Temp **63 C**, Time **30 min**
- Temp **73 C**, Time **50 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **20.4 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **50 min** at **73C**
- Keep mash **0 min** at **78C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **26.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 4.5 kg (66.2%) | 80 % | 4 |
| Grain | Pszeniczny | 1.5 kg (22.1%) | 85 % | 4 |
| Grain | Płatki pszeniczne | 0.4 kg (5.9%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (5.9%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil | Citra | 10 g | 60 min | 14.5 % |
| Boil | Galaxy | 10 g | 60 min | 13.7 % |
| Aroma (end of boil) | Cira | 30 g | 15 min | 14.5 % |
| Aroma (end of boil) | Galaxy | 30 g | 15 min | 13.7 % |
| Dry Hop | Citra | 20 g | 7 day(s) | 14.5 % |
| Dry Hop | Galaxy | 20 g | 7 day(s) | 13.7 % |
| Dry Hop | Citra | 40 g | 3 day(s) | 14.5 % |
| Dry Hop | Galaxy | 40 g | 3 day(s) | 13.7 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------------|---------------|----------------|-------------|
| Spice | zest z pomarańczy | 20 g | Secondary | 7 day(s) |