

Białas

- Gravity **15.9 BLG**
- ABV ---
- IBU **61**
- SRM **4.2**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **18.6 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Pilzneński | 2.6 kg (41.9%) | 81 % | 4 |
| Grain | Pszeniczny | 2.6 kg (41.9%) | 85 % | 4 |
| Grain | Płatki pszeniczne | 1 kg (16.1%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 25 g | 60 min | 15.5 % |
| Boil | Centennial | 15 g | 15 min | 10.5 % |
| Boil | Vic Secret | 15 g | 15 min | 16.1 % |
| Boil | Centennial | 10 g | 5 min | 10.5 % |
| Boil | Vic Secret | 10 g | 5 min | 16.1 % |
| Dry Hop | Vic Secret | 25 g | 6 day(s) | 16.1 % |
| Dry Hop | Centennial | 25 g | 6 day(s) | 10.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------|-------|-------|--------|------------------|
| FM20 Białe Walonki | Wheat | Slant | 200 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------------------|--------|---------|--------|
| Spice | Kolendra | 10 g | Boil | 5 min |
| Flavor | Skórka Pomarańczowa | 30 g | Boil | 5 min |
| Flavor | Trawa Cytrynowa | 20 g | Boil | 10 min |

Notes

- Warka podzielona na 2 czesci:
Jedna Vic secret na zimno
Druga Centenial
Mar 1, 2017, 6:45 PM