

14: BIAŁE

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **35**
- SRM **4.3**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **9.6 liter(s)**
- Total mash volume **12.5 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **74 C**, Time **15 min**

Mash step by step

- Heat up **9.6 liter(s)** of strike water to **71.8C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **74C**
- Sparge using **6.5 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale | 1.3 kg (44.8%) | 79 % | 6 |
| Grain | Pszeniczny | 1.3 kg (44.8%) | 85 % | 4 |
| Grain | Płatki owsiane | 0.3 kg (10.3%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil | Idaho 7 | 15 g | 30 min | 12.3 % |
| Whirlpool | Centennial | 10 g | 20 min | 9.7 % |
| Whirlpool | Idaho 7 | 10 g | 0 min | 12.3 % |
| Whirlpool | Centennial | 25 g | 0 min | 9.7 % |
| Dry Hop | Centennial | 15 g | 6 day(s) | 9.7 % |
| Dry Hop | Idaho 7 | 15 g | 6 day(s) | 12.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 6 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

| | | | | |
|-------|-------------------|-----|-----------|----------|
| Spice | kolendra | 3 g | Boil | 10 min |
| Spice | zest z pomarańczy | 3 g | Boil | 10 min |
| Spice | kolendra | 1 g | Secondary | 6 day(s) |
| Spice | zest z pomarańczy | 1 g | Secondary | 6 day(s) |

Notes

- Zabutkowane 19 butelek 02.01.18. Gładkie, fajnie pijalne, kolendra wyczuwalna mocno, mimo małej ilości jest tu jej za dużo, jednak do gotowania niż na zimno. Pomarańcz wychodzi wraz z ogrzaniem w aro. Pierwsze warzenie na Idaho, nie jest to samograj, raczej do zmienienia. Ogólnie piwo na plus...
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