

Bigos white ipa aka sprzątanie magazynu

- Gravity **15.4 BLG**
- ABV ---
- IBU **64**
- SRM **9.7**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **71 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11 liter(s)**
- Total mash volume **14.7 liter(s)**

Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **11 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **19.1 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|-----------------|-------|-----|
| Liquid Extract | WES ekstrakt słodowy jasny | 1.7 kg (31.6%) | 80 % | 30 |
| Grain | Pilznieński | 1 kg (18.6%) | 81 % | 4 |
| Grain | Pszeniczny | 0.48 kg (8.9%) | 85 % | 4 |
| Grain | Płatki owsiane | 0.095 kg (1.8%) | 85 % | 3 |
| Grain | Płatki pszeniczne | 0.6 kg (11.2%) | 85 % | 3 |
| Grain | wędzony wiśnią | 0.5 kg (9.3%) | 82 % | 5 |
| Grain | Weyermann - Carapils | 0.5 kg (9.3%) | 78 % | 4 |
| Grain | wędzony jabłonią | 0.5 kg (9.3%) | 82 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 50 g | 30 min | 11 % |
| Boil | Pekko | 20 g | 10 min | 13.6 % |
| Boil | Citra | 20 g | 10 min | 12 % |
| Boil | Pekko | 10 g | 1 min | 13.6 % |
| Boil | Citra | 10 g | 1 min | 12 % |

| | | | | |
|---------|-------|------|----------|--------|
| Dry Hop | Pekko | 20 g | 5 day(s) | 13.6 % |
| Dry Hop | Citra | 20 g | 5 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale | Slant | 150 ml | Safale |