

White IPA [robocza]

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **50**
- SRM **4.3**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **64 C**, Time **40 min**
- Temp **73 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **20 min** at **73C**
- Keep mash **5 min** at **78C**
- Sparge using **17.5 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 3 kg (50%) | 80 % | 4 |
| Grain | Strzegom Pszeniczny | 2.5 kg (41.7%) | 81 % | 6 |
| Grain | Żytni | 0.5 kg (8.3%) | 85 % | 8 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 15 g | 70 min | 14.7 % |
| Boil | Chinook | 15 g | 70 min | 11.8 % |
| Aroma (end of boil) | Centennial | 25 g | 10 min | 7.8 % |
| Aroma (end of boil) | Equinox | 15 g | 10 min | 13.1 % |
| Dry Hop | Equinox | 15 g | 4 day(s) | 13.1 % |
| Dry Hop | Centennial | 25 g | 4 day(s) | 10.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safbrew S-33 | Ale | Dry | 12 g | Fermentis |

Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type | Name | Amount | Use for | Time |
|-------|------------------|--------|-----------|----------|
| Spice | Sencha Earl Grey | 66 g | Secondary | 5 day(s) |