

Citrus Hills

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **40**
- SRM **4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **30 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **16.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **30 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Strzegom Pilzniejszy | 2.2 kg (40.7%) | 80 % | 4 |
| Grain | Strzegom Pale Ale | 2.2 kg (40.7%) | 79 % | 6 |
| Grain | Pszeniczny | 1 kg (18.5%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil | Marynka | 15 g | 60 min | 10 % |
| Boil | Cascade PL | 15 g | 60 min | 5.2 % |
| Boil | Cascade PL | 10 g | 20 min | 5.2 % |
| Boil | Orbit | 10 g | 20 min | 9.8 % |
| Boil | Waimea | 10 g | 20 min | 17 % |
| Whirlpool | Cascade PL | 10 g | 0 min | 5.2 % |
| Whirlpool | Waimea | 10 g | 0 min | 17 % |
| Whirlpool | Orbit | 10 g | 0 min | 9.8 % |
| Dry Hop | Cascade PL | 10 g | 6 day(s) | 5.2 % |
| Dry Hop | Orbit | 10 g | 6 day(s) | 9.8 % |
| Dry Hop | Waimea | 10 g | 6 day(s) | 17 % |

Yeasts

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

| Name | Type | Form | Amount | Laboratory |
|--------------------------|------|-------|--------|------------|
| Gozdawa Pure Ale Yeast 7 | Ale | Slant | 250 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------------------------------|--------|-----------|----------|
| Spice | Zest pomarańczy, limonki, pomelo | 50 g | Boil | 10 min |
| Spice | Zest pomarańczy, limonki, pomelo | 50 g | Primary | 5 day(s) |
| Spice | Zest pomarańczy, limonki, pomelo | 50 g | Secondary | 5 day(s) |