

Letnie Chmielone

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **87**
- SRM **5.2**
- 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 **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.3 liter(s)**
- Total mash volume **24.4 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **8 min**
- Temp **78 C**, Time **2 min**

Mash step by step

- Heat up **18.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **8 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **13.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 4 kg (65.6%) | 85 % | 7 |
| Grain | Strzegom Pilzneński | 2 kg (32.8%) | 80 % | 4 |
| Grain | Płatki owsiane | 0.1 kg (1.6%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|-----------|------------|
| Boil | Warrior | 50 g | 60 min | 15.5 % |
| Aroma (end of boil) | Citra | 50 g | 2 min | 12 % |
| Aroma (end of boil) | Columbus/Tomahawk/Zeus | 50 g | 2 min | 15.5 % |
| Dry Hop | Citra | 50 g | 10 day(s) | 12 % |
| Dry Hop | Warrior | 50 g | 10 day(s) | 15.5 % |
| Dry Hop | Columbus/Tomahawk/Zeus | 50 g | 10 day(s) | 15.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------|------|--------|--------|------------------|
| FM54 Gorączka kalifornijska | Ale | Liquid | 50 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------|--------|---------|--------|
| Fining | WhirlflocT | 0.5 g | Boil | 15 min |

Notes

- Brzeczka nastawka 11,5blg
May 2, 2019, 10:13 PM