

extra lemon IPA

- Gravity **13.6 BLG**
- ABV ---
- IBU **58**
- SRM **4.3**
- 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 **3.1 liter(s) / kg**
- Mash size **15.2 liter(s)**
- Total mash volume **20.1 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **15.2 liter(s)** of strike water to **73.4C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------|----------------|-------|-----|
| Grain | Pale Ale | 2.7 kg (55.1%) | 80 % | 4 |
| Grain | Pszeniczny | 0.7 kg (14.3%) | 85 % | 4 |
| Grain | Pilznieński | 1.5 kg (30.6%) | 81 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------|--------|----------|------------|
| Boil | Sorachi Ace | 20 g | 60 min | 10 % |
| Boil | Sorachi Ace | 10 g | 30 min | 10 % |
| Boil | Sorachi Ace | 20 g | 15 min | 10 % |
| Aroma (end of boil) | Sorachi Ace | 20 g | 10 min | 10 % |
| Aroma (end of boil) | Citra | 10 g | 10 min | 12 % |
| Dry Hop | Sorachi Ace | 40 g | 7 day(s) | 10 % |
| Dry Hop | Citra | 40 g | 7 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-05 | Ale | Dry | 11.5 g | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------------|--------|---------|--------|
| Spice | trawa cytrynowa | 10 g | Mash | 60 min |
| Spice | trawa cytrynowa | 10 g | Boil | 2 min |
| Flavor | skórki cytryny | 30 g | Boil | 5 min |