

Tropical Lemon IPA

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **47**
- SRM **3.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

Steps

- Temp **64 C**, Time **45 min**
- Temp **69 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **13.8 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **45 min** at **64C**
- Keep mash **15 min** at **69C**
- Keep mash **10 min** at **78C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale | 2.6 kg (56.5%) | 79 % | 6 |
| Grain | Pszeniczny | 0.6 kg (13%) | 80 % | 4 |
| Grain | Pilzneński | 1.4 kg (30.4%) | 81 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| Dry Hop | First Gold | 20 g | 7 day(s) | 7.5 % |
| Dry Hop | Mosaic | 20 g | 7 day(s) | 10 % |
| Aroma (end of boil) | Mosaic | 20 g | 1 min | 12 % |
| Boil | Mosaic | 30 g | 10 min | 10 % |
| Boil | Mosaic | 30 g | 60 min | 10 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------------|--------|---------|--------|
| Spice | Skórki cytryny | 25 g | Boil | 10 min |
| Spice | Skórki cytryny | 15 g | Boil | 5 min |