

Session IPA

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **57**
- SRM **4.9**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.25 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **21.3 liter(s)**

Steps

- Temp **45 C**, Time **20 min**
- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

Mash step by step

- Heat up **16.3 liter(s)** of strike water to **48.8C**
- Add grains
- Keep mash **20 min** at **45C**
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Sparge using **20.4 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|--------------|-------|-----|
| Grain | Strzegom Pale Ale | 3 kg (60%) | 79 % | 6 |
| Grain | Strzegom Wiedeński | 1 kg (20%) | 79 % | 10 |
| Grain | Strzegom pszeniczny | 0.5 kg (10%) | 81 % | 6 |
| Grain | Carahell | 0.5 kg (10%) | 77 % | 26 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 30 g | 20 min | 15.5 % |
| Aroma (end of boil) | Enigma (AUS) | 30 g | 10 min | 17.2 % |
| Aroma (end of boil) | Equinox | 30 g | 10 min | 13.1 % |
| Dry Hop | Enigma (AUS) | 30 g | 5 day(s) | 17.2 % |
| Dry Hop | Enigma (AUS) | 30 g | 3 day(s) | 17.2 % |
| Dry Hop | Pacifica (NZ) | 30 g | 2 day(s) | 4.8 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|--------|---------|--------|
| Water Agent | gips | 5 g | Mash | 80 min |
| Fining | Mech Irlandzki | 6 g | Boil | 15 min |