

Session IPA

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **37**
- SRM **3.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.3 liter(s)**

Mash information

- Mash efficiency **76 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.2 liter(s)**
- Total mash volume **23.4 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **18.2 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **30.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Pilzneński | 2 kg (38.5%) | 81 % | 4 |
| Grain | Pale Ale Strzegom | 2 kg (38.5%) | 80 % | 6 |
| Grain | Płatki owsiane | 0.6 kg (11.5%) | 85 % | 3 |
| Grain | Płatki pszeniczne | 0.6 kg (11.5%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil | Warrior | 15 g | 60 min | 14.5 % |
| Boil | lunga | 15 g | 60 min | 11 % |
| Dry Hop | Mosaic | 60 g | 3 day(s) | 10 % |
| Dry Hop | Citra | 60 g | 3 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|-------|--------|------------|
| US-05 | Ale | Slant | 100 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-----------------|--------|---------|--------|
| Water Agent | Gips piwowarski | 5 g | Mash | 60 min |

| | | | | |
|-------------|----------------|------|------|--------|
| Water Agent | Chlorek wapnia | 10 g | Mash | 60 min |
|-------------|----------------|------|------|--------|