

# cienkuś IPA

- Gravity **4.8 BLG**
- ABV **1.8 %**
- IBU **25**
- SRM **3.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **7 liter(s) / kg**
- Mash size **16.1 liter(s)**
- Total mash volume **18.4 liter(s)**

## Steps

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

## Mash step by step

- Heat up **16.1 liter(s)** of strike water to **78.9C**
- Add grains
- Keep mash **60 min** at **75C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale          | 1.7 kg (73.9%) | 79 %  | 6   |
| Grain | Strzegom Monachijski typ I | 0.6 kg (26.1%) | 79 %  | 16  |

## Hops

| Use for             | Name       | Amount | Time      | Alpha acid |
|---------------------|------------|--------|-----------|------------|
| Aroma (end of boil) | Contennial | 50 g   | 10 min    | 10.5 %     |
| Dry Hop             | Amarillo   | 50 g   | 12 day(s) | 9.5 %      |
| Dry Hop             | Citra      | 30 g   | 12 day(s) | 12 %       |
| Dry Hop             | Cascade    | 30 g   | 12 day(s) | 6 %        |

## Yeasts

| Name                 | Type | Form   | Amount | Laboratory       |
|----------------------|------|--------|--------|------------------|
| FM52 Amerykański Sen | Ale  | Liquid | 200 ml | Fermentum Mobile |