

# Polska IPA

- Gravity **16.2 BLG**
- ABV ---
- IBU **40**
- SRM **5.8**
- 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 **10 %/h**
- Boil size **24.2 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **17.4 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **24.2 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC  |
|-------|----------------------------|----------------|-------|------|
| Grain | Pilzneński                 | 4.6 kg (79.3%) | 81 %  | 3.8  |
| Grain | Pszeniczny                 | 0.6 kg (10.3%) | 85 %  | 4    |
| Grain | Strzegom Monachijski typ I | 0.4 kg (6.9%)  | 80 %  | 13.5 |
| Grain | Strzegom Karmel 30         | 0.2 kg (3.4%)  | 75 %  | 30   |

## Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Mash    | Sybilla | 50 g   | 50 min   | 3.5 %      |
| Boil    | lunga   | 30 g   | 60 min   | 10 %       |
| Boil    | Sybilla | 25 g   | 15 min   | 3.5 %      |
| Boil    | Sybilla | 25 g   | 10 min   | 3.5 %      |
| Boil    | Sybilla | 25 g   | 5 min    | 3.5 %      |
| Boil    | Sybilla | 25 g   | 1 min    | 3.5 %      |
| Dry Hop | Sybilla | 50 g   | 5 day(s) | 3.5 %      |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11.9 g | Fermentis  |

## Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 10 g   | Boil    | 15 min |