

# Polska IPA Piwoszarnia

- Gravity **13.8 BLG**
- ABV ---
- IBU **36**
- SRM **10**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount         | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale   | 5.5 kg (91.7%) | 79 %  | 6   |
| Grain | Strzegom Karmel 150 | 0.5 kg (8.3%)  | 75 %  | 150 |

## Hops

| Use for | Name              | Amount | Time     | Alpha acid |
|---------|-------------------|--------|----------|------------|
| Boil    | Marynka           | 25 g   | 50 min   | 10 %       |
| Boil    | Sybilla           | 25 g   | 30 min   | 3.5 %      |
| Boil    | Lublin (Lubelski) | 25 g   | 10 min   | 4 %        |
| Dry Hop | Sybilla           | 25 g   | 7 day(s) | 3.5 %      |
| Dry Hop | Lublin (Lubelski) | 25 g   | 7 day(s) | 4 %        |
| Dry Hop | Marynka           | 25 g   | 7 day(s) | 10 %       |

## Yeasts

| Name                       | Type | Form | Amount | Laboratory |
|----------------------------|------|------|--------|------------|
| Gozdawa - Pure Ale Yeast 7 | Ale  | Dry  | 10 g   | Gozdawa    |

## Extras

| Type   | Name            | Amount | Use for | Time   |
|--------|-----------------|--------|---------|--------|
| Flavor | Trawa cytrynowa | 20 g   | Boil    | 10 min |