

# Imperial Polska IPA Piwoszarnia

- Gravity **17.5 BLG**
- ABV **7.5 %**
- IBU **121**
- SRM **11.2**
- Style **Imperial IPA**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **63 C**, Time **40 min**
- Temp **71 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **71C**
- Keep mash **5 min** at **78C**
- Sparge using **8.8 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount         | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale   | 6.5 kg (92.9%) | 79 %  | 6   |
| Grain | Strzegom Karmel 150 | 0.5 kg (7.1%)  | 75 %  | 150 |

## Hops

| Use for | Name              | Amount | Time     | Alpha acid |
|---------|-------------------|--------|----------|------------|
| Boil    | Marynka           | 50 g   | 60 min   | 10 %       |
| Boil    | lunga             | 50 g   | 60 min   | 11 %       |
| Boil    | Lublin (Lubelski) | 50 g   | 30 min   | 4 %        |
| Dry Hop | Sybilla           | 50 g   | 7 day(s) | 3.5 %      |

## Yeasts

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

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |                 |      |      |        |
|--------|-----------------|------|------|--------|
| Flavor | Trawa cytrynowa | 20 g | Boil | 10 min |
|--------|-----------------|------|------|--------|