

Polska IPA

- Gravity **18 BLG**
- ABV ---
- IBU **21**
- SRM **14.6**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **10 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **15 %/h**
- Boil size **24.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **65C**
- Keep mash **20 min** at **72C**
- Sparge using **12.3 liter(s)** of **76C** water or to achieve **24.3 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 | 4 % |
| Boil | Sybilla | 25 g | 30 min | 3.5 % |
| Boil | Lublin (Lubelski) | 25 g | 10 min | 4 % |
| Dry Hop | Marynka | 15 g | 7 day(s) | 10 % |
| Dry Hop | Sybilla | 15 g | 7 day(s) | 3.5 % |
| Dry Hop | Lublin (Lubelski) | 15 g | 7 day(s) | 4 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------------|--------|---------|--------|
| Herb | Trawa cytrynowa | 20 g | Boil | 10 min |
| Flavor | płatki ryżowe | 200 g | Mash | 30 min |