

Polsko-Australijska Imperialna IPA

- Gravity **22 BLG**
- ABV ---
- IBU **101**
- SRM **12.1**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **27 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.3 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **27.7 liter(s)**

Steps

- Temp **63 C**, Time **50 min**
- Temp **68 C**, Time **60 min**
- Temp **70 C**, Time **60 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **72.4C**
- Add grains
- Keep mash **50 min** at **63C**
- Keep mash **60 min** at **68C**
- Keep mash **60 min** at **70C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **27 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------|---------------|-------|-----|
| Grain | Strzegom Pale Ale | 6 kg (71.4%) | 79 % | 6 |
| Grain | Cara Gold Castlemalting | 0.4 kg (4.8%) | 78 % | 120 |
| Grain | Barke Wayermann | 1 kg (11.9%) | --- % | --- |
| Grain | Strzegom Pilzneński | 1 kg (11.9%) | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------|--------|----------|------------|
| Boil | Enigma (AUS) | 33 g | 60 min | 17.2 % |
| Boil | lunga | 30 g | 60 min | 11 % |
| Aroma (end of boil) | Magnum | 30 g | 15 min | 13.5 % |
| Aroma (end of boil) | lunga | 30 g | 5 min | 11 % |
| Aroma (end of boil) | Enigma (AUS) | 33 g | 0 min | 17.2 % |
| Aroma (end of boil) | lunga | 30 g | 5 min | 11 % |
| Dry Hop | lunga | 30 g | 7 day(s) | 11 % |
| Dry Hop | Enigma (AUS) | 33 g | 7 day(s) | 17.2 % |
| Dry Hop | Sticklebract | 30 g | 7 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|-------|--------|------------|
| US-05 | Ale | Slant | 200 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Flavor | Skórka cytryny | 20 g | Boil | 15 min |
| Fining | Mech irlandzki | 5 g | Boil | 15 min |