

Wariancja IPA 2

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **54**
- SRM **4.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **65 min**
- Evaporation rate **15 %/h**
- Boil size **29.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **18.6 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **25 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **17 liter(s)** of **76C** water or to achieve **29.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------------|---------------|-------|-----|
| Grain | Pilzneński Viking Malt | 5 kg (80.6%) | 80 % | 3 |
| Grain | Bursztynowy Viking Malt | 0.2 kg (3.2%) | 70 % | 50 |
| Grain | Karmelowy Carapils® Weyermann | 1 kg (16.1%) | 78 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|----------|------------|
| Boil | Citra | 25 g | 60 min | 13.1 % |
| Boil | Amarillo | 20 g | 25 min | 9.8 % |
| Boil | Cascade | 30 g | 25 min | 3.7 % |
| Aroma (end of boil) | Challenger UK | 30 g | 5 min | 6.1 % |
| Dry Hop | Citra | 25 g | 5 day(s) | 13.1 % |
| Dry Hop | Amarillo | 15 g | 5 day(s) | 9.8 % |
| Dry Hop | Cascade | 30 g | 5 day(s) | 3.7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 280 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-----------------|--------|---------|--------|
| Water Agent | Gips piwowarski | 4 g | Mash | 60 min |
| Fining | Mech Irlandzki | 5 g | Mash | 10 min |
| Water Agent | Gips piwowarski | 6 g | Mash | 0 min |