

Double IPA - test

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **60**
- SRM **15.1**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **10 %**
- Size with trub loss **25.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **31.4 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **15 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **15 min** at **78C**
- Sparge using **16.4 liter(s)** of **76C** water or to achieve **31.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński | 5 kg (79.4%) | 80 % | 4 |
| Grain | Viking Caramel Aromatic | 1 kg (15.9%) | 75 % | 180 |
| Liquid Extract | WES ekstrakt słodowy jasny | 0.3 kg (4.8%) | 80 % | 150 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil | lunga | 35 g | 50 min | 11 % |
| Boil | lunga | 20 g | 30 min | 11 % |
| Boil | lunga | 30 g | 15 min | 11 % |
| Boil | lunga | 15 g | 5 min | 11 % |
| Dry Hop | Citra | 30 g | 5 day(s) | 12 % |
| Dry Hop | Amarillo | 30 g | 5 day(s) | 9.5 % |
| Dry Hop | Citra | 20 g | 3 day(s) | 12 % |
| Dry Hop | Amarillo | 20 g | 3 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|----------------|-----|-------|--------|---------|
| Danstar BRY-97 | Ale | Slant | 666 ml | danstar |
|----------------|-----|-------|--------|---------|

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-----------|--------|---------|--------|
| Water Agent | whirlfloc | 2.4 g | Boil | 10 min |