

## #7 RYE AIPA

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **56**
- SRM **6**
- Style **Rye IPA**

### Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **20.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.1 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **22.8 liter(s)**

### Fermentables

| Type  | Name                      | Amount        | Yield | EBC |
|-------|---------------------------|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 4 kg (61.5%)  | 90 %  | 7   |
| Grain | Żytni                     | 2 kg (30.8%)  | 90 %  | 8   |
| Grain | Płatki owsiane            | 0.5 kg (7.7%) | 70 %  | 3   |

### Hops

| Use for             | Name                   | Amount | Time     | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 30 g   | 60 min   | 15.5 %     |
| Aroma (end of boil) | Ekuanot                | 15 g   | 5 min    | 14 %       |
| Whirlpool           | Ekuanot                | 45 g   | 10 min   | 14 %       |
| Dry Hop             | Ekuanot                | 40 g   | 4 day(s) | 14 %       |
| Dry Hop             | Mosaic                 | 100 g  | 3 day(s) | 10 %       |

### Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US-05 | Ale  | Dry  | 22 g   | fermentis  |

### Extras

| Type        | Name          | Amount | Use for  | Time   |
|-------------|---------------|--------|----------|--------|
| Water Agent | gips          | 5 g    | Mash     | 60 min |
| Water Agent | kwask mlekowy | 4 g    | Mash     | 60 min |
| Water Agent | witamina C    | 2 g    | Bottling | 5 min  |
| Other       | łuska ryżowa  | 100 g  | Mash     | 0 min  |

### Notes

- Problem z filtracją, zacier się zaklejał powyżej filtratora, 3-krotny restart filtracji, odebrana brzezka bardzo mętna, spodziewane dodatkowe straty po opadnięciu zawiesiny.  
*Nov 29, 2021, 10:20 AM*