

16 i 10 blg na jesien zima 2024, warzone zapewne po urlopie we wrzesniu, ma byc mgliscie i gorzko!!!!

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **65**
- SRM **3.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **44 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **51.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.275 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **43.2 liter(s)**

Steps

- Temp **66 C**, Time **90 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **30 liter(s)** of strike water to **76.1C**
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **1 min** at **76C**
- Sparge using **34.7 liter(s)** of **76C** water or to achieve **51.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|------------------------|----------------|--------|-----|
| Grain | Briess - Pilsen Malt | 10 kg (74.1%) | 80.5 % | 2 |
| Grain | Briess - Carapils Malt | 1 kg (7.4%) | 74 % | 3 |
| Grain | Barley, Flaked | 2.2 kg (16.3%) | 70 % | 4 |
| Adjunct | ryzowa luska | 0.3 kg (2.2%) | 1 % | 1 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil | Galaxy | 50 g | 60 min | 15 % |
| Boil | Citra | 30 g | 15 min | 13.3 % |
| Boil | Simcoe | 30 g | 15 min | 13.2 % |
| Boil | Mosaic | 30 g | 15 min | 12 % |
| Aroma (end of boil) | Citra | 20 g | 1 min | 13.3 % |
| Aroma (end of boil) | Mosaic | 20 g | 1 min | 12 % |
| Aroma (end of boil) | Simcoe | 20 g | 1 min | 13.2 % |
| Dry Hop | Citra | 50 g | 5 day(s) | 13.3 % |
| Dry Hop | Mosaic | 50 g | 5 day(s) | 12 % |
| Dry Hop | Simcoe | 50 g | 5 day(s) | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------|------|--------|--------|------------|
| a38 juice | Ale | Liquid | 200 ml | imperial |
| US05 | Ale | Dry | 11 g | safale |

Notes

- AIPA musze jakos przeliczyc zeby wyszlo
19 litrow mocnej i 16blg AIPA
30 litrow slabej 11blg APA

Fermentacja 30 litrow duzym stozku 16
20 litrow w malym rozwodnione na 8
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