

#8: SESYJNIE

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **33**
- SRM **4.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.8 liter(s)**

Mash information

- Mash efficiency **74 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **21.3 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **15 min**

Mash step by step

- Heat up **16.3 liter(s)** of strike water to **71.8C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **72C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **23.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 4 kg (80.8%) | 80 % | 5 |
| Grain | Platki owsiane | 0.8 kg (16.2%) | 85 % | 3 |
| Grain | Karmelowy Jasny 30EBC | 0.15 kg (3%) | 75 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|----------|------------|
| Boil | lunga | 20 g | 40 min | 12.8 % |
| Aroma (end of boil) | Amarillo | 20 g | 10 min | 8.6 % |
| Whirlpool | Amarillo | 50 g | 0 min | 8.6 % |
| Whirlpool | Dr Rudi | 20 g | 0 min | 11.9 % |
| Dry Hop | Pacifica (NZ) | 50 g | 6 day(s) | 4.8 % |
| Dry Hop | Waimea | 50 g | 6 day(s) | 15.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|------|--------|------------|
| Danstar - Nottingham | Ale | Dry | 11 g | Danstar |

Notes

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

- Dziś zabutelkowane 36 butelek.
Danstary ładnie zesły do niecałych 3 BLG, burzliwa w 17 do 20 stopni. Whirpool z 50 g Amarillo dodane na wyłączenie palnika i w 80 'C dodane dr rudi. Rozlane z 100g glukozy. Na dziś goryczka wyższa myślę ~ 45 IBU.
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