

Marynian of fennel seeds

- Gravity **13.1 BLG**
- ABV ---
- IBU **14**
- SRM **5.1**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **25.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15.6 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **15.5 liter(s)** of **76C** water or to achieve **25.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Pilzneński | 2.5 kg (48.1%) | 81 % | 4 |
| Grain | Viking Pale Ale malt | 2.5 kg (48.1%) | 80 % | 5 |
| Grain | Strzegom Bursztynowy | 0.2 kg (3.8%) | 70 % | 70 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 20 g | 60 min | 4.3 % |
| Boil | Marynka | 30 g | 10 min | 4.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|---------|------------|
| Safale US-05 | Ale | Slant | 1000 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------|--------------|--------|---------|--------|
| Spice | Fennel Seeds | 20 g | Boil | 10 min |

Notes

- Warzone 12.03. BLG początkowe 14,5. Użyto drożdży z gęstwy po IPA na amerykańskich chmielach 15,5

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

BLG.

Przed gotowaniem 22l i 13,8 BLG, po gotowaniu 20l i 14,5 BLG. Przy zlewaniu na cichą 2 BLG. Drożdże pracowały tydzień, start po kilku godzinach. BLG końcowe 1,5. Warka nr 9. Bardzo dobre!

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