

projekt - Coffe British Brown Ale #1 - Browar na Wyżynie

- Gravity **12.6 BLG**
- ABV ---
- IBU **22**
- SRM **16.7**
- Style **Northern English Brown Ale**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **6 %**
- Size with trub loss **20.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **23.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **13.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **23.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|-------|-----|
| Grain | pale ale Viking Malt | 2.5 kg (54.3%) | 79 % | 8 |
| Grain | golden ale Viking Malt | 0.5 kg (10.9%) | 80 % | 14 |
| Grain | monachijski typ II Viking Malt | 0.5 kg (10.9%) | 78 % | 22 |
| Grain | cookie (bursztynowy) Viking Malt | 0.5 kg (10.9%) | 72 % | 60 |
| Grain | caramel aromatic - Viking Malt | 0.3 kg (6.5%) | 75 % | 180 |
| Grain | karmelowy 150 - Viking Malt | 0.2 kg (4.3%) | 75 % | 150 |
| Grain | karmelowy 600 - Viking Malt | 0.1 kg (2.2%) | 65 % | 600 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil | Junga (PL) - granulac | 10 g | 60 min | 12.5 % |
| Boil | EKG | 10 g | 20 min | 5.27 % |
| Boil | EKG | 20 g | 5 min | 5.27 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------|------|-------|--------|------------------|
| FM13 Irlandzkie Ciemności | Ale | Slant | 300 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------|--------|----------|------|
| Flavor | Kawa | 1000 g | Bottling | --- |