

Multigrain Wine

- Gravity **27 BLG**
- ABV **12.9 %**
- IBU **99**
- SRM **10.1**
- Style **English Barleywine**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **15.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **16.9 liter(s)**
- Total mash volume **23.7 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **16.9 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **1 min** at **78C**
- Sparge using **5.8 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|-----------------|--------|-----|
| Grain | Viking Pale Ale malt | 1.1 kg (16.2%) | 80 % | 5 |
| Grain | Żytni | 0.4 kg (5.9%) | 85 % | 8 |
| Grain | Pszeniczny | 1.27 kg (18.8%) | 85 % | 4 |
| Grain | Strzegom Wiedeński | 1.4 kg (20.7%) | 79 % | 10 |
| Grain | Melanoiden Malt | 0.2 kg (3%) | 80 % | 39 |
| Grain | Amber Malt | 0.3 kg (4.4%) | 75 % | 43 |
| Grain | Jęczmień niesłodowany | 0.4 kg (5.9%) | 75 % | 2 |
| Grain | Płatki orkiszowe | 0.8 kg (11.8%) | 80 % | 4 |
| Grain | Rye, Flaked | 0.4 kg (5.9%) | 78.3 % | 4 |
| Grain | Strzegom Monachijski typ I | 0.5 kg (7.4%) | 79 % | 16 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|------------|---------|--------|--------|------------|
| First Wort | Warrior | 50 g | 90 min | 15.5 % |
| Boil | Sybilla | 30 g | 15 min | 3.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 200 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|---|--------|-----------|-----------|
| Flavor | Platki dębowe amerykańskie średnio opiekane macerowane w JD | 40 g | Secondary | 21 day(s) |