

Multigrainwine Jęczmień/Pszenica/Żyto/Owies

- Gravity **23.3 BLG**
- ABV **10.7 %**
- IBU **89**
- SRM **6.5**
- Style **American Barleywine**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **25 liter(s)**
- Total mash volume **35 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **80 C**, Time **5 min**

Mash step by step

- Heat up **25 liter(s)** of strike water to **77.6C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **80C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|--------------|-------|-----|
| Grain | Strzegom Pale Ale | 5 kg (45.5%) | 79 % | 6 |
| Grain | Strzegom Pszeniczny | 2 kg (18.2%) | 81 % | 6 |
| Grain | Żytmi | 2 kg (18.2%) | 85 % | 8 |
| Grain | Płatki owsiane | 1 kg (9.1%) | 85 % | 3 |
| Sugar | Sugar, Table (Sucrose) | 1 kg (9.1%) | 100 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 100 g | 60 min | 15.5 % |
| Dry Hop | Citra | 50 g | 5 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 10 g | Fermentis |