

Wygrzew #2

- Gravity **21.8 BLG**
- ABV **9.8 %**
- IBU **141**
- SRM **18.3**
- Style **American Barleywine**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.6 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **23 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **21.1 liter(s)**
- Total mash volume **27.5 liter(s)**

Steps

- Temp **68 C**, Time **90 min**
- Temp **75 C**, Time **5 min**

Mash step by step

- Heat up **21.1 liter(s)** of strike water to **75.3C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **5 min** at **75C**
- Sparge using **8.3 liter(s)** of **76C** water or to achieve **23 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|----------------|-------|-----|
| Grain | Pale Ale MARIS OTTER | 5 kg (65.8%) | 80 % | 6 |
| Grain | Crystal II 200 | 0.3 kg (3.9%) | 71 % | 200 |
| Grain | Special B Castlemalting | 0.3 kg (3.9%) | 77 % | 300 |
| Grain | Płatki owsiane | 0.4 kg (5.3%) | 85 % | 3 |
| Grain | Płatki pszeniczne | 0.4 kg (5.3%) | 85 % | 3 |
| Liquid Extract | WES ekstrakt słodowy jasny | 1.2 kg (15.8%) | 80 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 50 g | 70 min | 15.5 % |
| Boil | Warrior | 50 g | 70 min | 15.5 % |
| Dry Hop | Amarillo | 50 g | 5 day(s) | 9.5 % |
| Dry Hop | Chinook | 50 g | 5 day(s) | 13 % |
| Dry Hop | Citra | 50 g | 5 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-------------|-----|-----|------|-----------|
| Safale S-04 | Ale | Dry | 11 g | Fermentis |
|-------------|-----|-----|------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|-------|--------------------------|--------|-----------|-----------|
| Other | Płatki dębowe Bourbon | 50 g | Secondary | 14 day(s) |