

## 2/2024 Golden na 17 maja i okolice Marzec/Kwiecien

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **25**
- SRM **4.5**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **46 liter(s)**
- Trub loss **2.5 %**
- Size with trub loss **48.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **58.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.13 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **39.6 liter(s)**

### Steps

- Temp **73 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **30 liter(s)** of strike water to **81.5C**
- Add grains
- Keep mash **60 min** at **73C**
- Keep mash **5 min** at **78C**
- Sparge using **37.8 liter(s)** of **76C** water or to achieve **58.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	7 kg (72.9%)	81 %	6
Grain	Cara-Pils/Dextrine	1 kg (10.4%)	72 %	4
Grain	Biscuit Malt	0.5 kg (5.2%)	79 %	45
Grain	Oats, Flaked	1.1 kg (11.5%)	80 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	12 g	60 min	13.2 %
Boil	Citra	12 g	60 min	13.3 %
Boil	Mosaic	12 g	60 min	12 %
Boil	Simcoe	18 g	1 min	13.2 %
Boil	Citra	18 g	1 min	13.3 %
Boil	Mosaic	18 g	1 min	12 %
Dry Hop	Simcoe	20 g	5 day(s)	13.2 %
Dry Hop	Citra	20 g	5 day(s)	13.3 %
Dry Hop	Mosaic	20 g	5 day(s)	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M15 Empire Ale	Ale	Dry	10 g	Mangrove Jack's
Fermoale New-E	Ale	Dry	23 g	Fermoale

## Notes

- Stozek 33 litrow Fermoale i tam chmiel na zimno  
Junior 18 litrow Empire Ale

kegi:

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Fermentacja pod malym cisnieniem

uwarzone 12.04 w piatek

w niedziele 14.04 fermentacja w duzym fermentorze juz ladnie leci w malym powolutku

*Jul 4, 2023, 11:19 PM*