

Onyks

- Gravity **12.8 BLG**
- ABV ---
- IBU **8**
- SRM **40**
- Style **Oatmeal Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

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

Mash step by step

- Heat up **12 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.2 kg (71.1%)	85 %	7
Adjunct	Oats, Flaked	0.5 kg (11.1%)	80 %	2
Grain	Caraaroma	0.3 kg (6.7%)	78 %	400
Grain	Jęczmień palony	0.3 kg (6.7%)	55 %	985
Grain	Weyermann - Carafa I	0.2 kg (4.4%)	70 %	690

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Golding	15 g	5 min	5.7 %
Boil	East Kent Golding	10 g	40 min	5.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale

Notes

- Zestaw surowców z browamator.pl
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