

New Black IPA

- Gravity **17.3 BLG**
- ABV **7.4 %**
- IBU **58**
- SRM **36.9**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.2 liter(s)**
- Total mash volume **17.6 liter(s)**

Steps

- Temp **65 C**, Time **70 min**

Mash step by step

- Heat up **13.2 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **70 min** at **65C**
- Sparge using **6.4 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Malt Pilsneński	2.8 kg (63.6%)	80 %	3.75
Grain	Viking Malt Pszeniczny	0.8 kg (18.2%)	82 %	5
Grain	Płatki owsiane	0.4 kg (9.1%)	85 %	3
Grain	Weyermann Carafa II	0.32 kg (7.3%)	62 %	1150
Grain	Weyermann Pszeniczny Czekoladowy	0.08 kg (1.8%)	62 %	1050

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka 2019	12 g	60 min	7.6 %
Boil	Perle PL 2019	40 g	60 min	7.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	160 ml	Fermentis