

Świetnik

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **49**
- SRM **30.7**
- Style **Specialty Beer**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.6 liter(s)**
- Total mash volume **34.1 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	0.5 kg (5.9%)	81 %	4
Grain	Briess - Pale Ale Malt	4.5 kg (52.8%)	80 %	7
Grain	Pszeniczny	1.2 kg (14.1%)	85 %	4
Grain	Żytni	0.78 kg (9.2%)	85 %	8
Grain	Caramel/Crystal Malt - 80L	1 kg (11.7%)	74 %	158
Grain	Czekoladowy	0.281 kg (3.3%)	60 %	788
Grain	Weyermann - Dehusked Carafo III	0.26 kg (3.1%)	70 %	1024

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	15 g	60 min	13.2 %
Boil	Simcoe	35 g	15 min	13.2 %
Whirlpool	Simcoe	50 g	1 min	13.2 %
Boil	Mosaic	35 g	15 min	10 %
Boil	Mosaic	65 g	1 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M42 New World Strong Ale	Ale	Dry	20 g	Mangrove Jack's