

Bugger

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **92**
- SRM ---

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	WES ekstrakt słodowy jasny	3.6 kg (100%)	80 %	---

<https://marxam.pl/niechmielone-ekstrakt-slodowy-jeczmienny-ebc-120-190-1-2-kg,c429,p3832,pl.html>

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	50 g	60 min	14.4 %
Aroma (end of boil)	Galaxy	50 g	1 min	15.5 %
Aroma (end of boil)	Nelson Sauvín	50 g	1 min	10.08 %
Dry Hop	Galaxy	50 g	5 day(s)	15.5 %
Dry Hop	Nelson Sauvín	50 g	5 day(s)	10.08 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis