

Atak Chmielu ze chmieleniem simcoe i słodem cookie

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **56**
- SRM **9.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **26.8 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **22.3 liter(s)**
- Total mash volume **29.1 liter(s)**

Steps

- Temp **69 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **22.3 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **60 min** at **69C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.3 liter(s)** of **76C** water or to achieve **26.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Carapils	0.2 kg (3%)	78 %	4
Grain	cookie	0.27 kg (4%)	75 %	50
Grain	pszeniczny ciemny	0.5 kg (7.4%)	75 %	14
Grain	Weyermann Caramunich 3	0.4 kg (5.9%)	76 %	150
Grain	Jęczmień niesłodowany	0.4 kg (5.9%)	75 %	2
Grain	Viking Pale Ale malt	5 kg (73.9%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	60 min	12 %
Boil	Citra	15 g	20 min	12 %
Boil	Simcoe	15 g	20 min	12 %
Whirlpool	Cascade	30 g	0 min	5.8 %
Whirlpool	Citra	30 g	0 min	12 %
Dry Hop	Citra	30 g	3 day(s)	12 %

Whirlpool	Simcoe	30 g	0 min	13.2 %
Dry Hop	Cascade	30 g	3 day(s)	5.8 %
Whirlpool	Mosaic	30 g	0 min	10 %
Dry Hop	Sybilla	30 g	3 day(s)	3.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	200 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Fining	Mech irlandzki	5 g	Boil	10 min
Water Agent	Gips	4 g	Mash	70 min