

EXTREMO TEMPORE

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **34**
- SRM **5.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **35 liter(s)**
- Trub loss **10 %**
- Size with trub loss **42 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **50 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **38 liter(s)**
- Total mash volume **47.5 liter(s)**

Steps

- Temp **68 C**, Time **90 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **38 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **20 min** at **72C**
- Sparge using **21.5 liter(s)** of **76C** water or to achieve **50 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	7 kg (73.7%)	79 %	6
Grain	Słód pszeniczny Bestmalz	0.5 kg (5.3%)	82 %	5
Grain	Strzegom Monachijski typ I	2 kg (21.1%)	79 %	14

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	60 min	13 %
Boil	Chinook	20 g	30 min	13 %
Aroma (end of boil)	Cascade PL	20 g	5 min	5.2 %
Whirlpool	Cascade PL	30 g	0 min	5.2 %
Dry Hop	Chinook	50 g	5 day(s)	13 %
Dry Hop	Cascade PL	50 g	5 day(s)	5.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis