American Cascade Pale Ale 12°

- Gravity 12.6 BLG
- ABV **5.1** %
- IBU **36**
- SRM 5.4

Batch size

- Expected quantity of finished beer 24 liter(s)
- Trub loss 5 %
- Size with trub loss 25.4 liter(s)
- Boil time 70 min
- Evaporation rate 5 %/h
- Boil size 28.2 liter(s)

Mash information

- Mash efficiency 83 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15.9 liter(s)
- Total mash volume 21.2 liter(s)

Steps

- Temp 66 C, Time 30 min
 Temp 68 C, Time 30 min
 Temp 72 C, Time 10 min

Mash step by step

- Heat up 15.9 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 30 min at 66C
- Keep mash 30 min at 68C
- Keep mash 10 min at 72C
- Sparge using 17.6 liter(s) of 76C water or to achieve 28.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	2 kg <i>(37.7%)</i>	%	6
Grain	Strzegom Wiedeński	1 kg <i>(18.9%)</i>	79 %	10
Grain	Monachijski	1 kg <i>(18.9%)</i>	80 %	16
Grain	Strzegom Pilzneński	1 kg <i>(18.9%)</i>	%	4
Grain	Caramel/Crystal Malt - 10L	0.3 kg <i>(5.7%)</i>	75 %	20

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	40 g	60 min	6 %
Boil	Cascade	10 g	30 min	6 %
Boil	Cascade	10 g	15 min	6 %
Boil	Cascade	25 g	10 min	6 %
Boil	Cascade	10 g	5 min	6 %
Boil	Cascade	10 g	1 min	6 %
Dry Hop	Cascade	25 g	7 day(s)	6 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Slant	30 ml	Mangrove Jack's