

Cascade APA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **29**
- SRM **4.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.6 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Malteurop Pale Ale	5 kg (90.9%)	79 %	6
Grain	Płatki pszeniczne	0.5 kg (9.1%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	20 g	60 min	15.5 %
Aroma (end of boil)	Cascade	30 g	1 min	6 %
Dry Hop	Cascade	60 g	2 day(s)	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
US05	Ale	Slant	200 ml	---