

APA

- Gravity **11.4 BLG**
- ABV ---
- IBU **39**
- SRM **10.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Bruntal - Pale Ale	3.4 kg (100%)	80 %	35

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	15.5 %
Boil	Amarillo	15 g	30 min	9.5 %
Boil	Mosaic	20 g	10 min	10 %
Aroma (end of boil)	Amarillo	15 g	0 min	9.5 %
Aroma (end of boil)	Mosaic	30 g	0 min	10 %
Dry Hop	Equinox	30 g	5 day(s)	13.1 %

Yeasts

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