

GrillAPA

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **41**
- SRM **3.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **19.6 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (81.6%)	80 %	5
Grain	Rice, Flaked	0.9 kg (18.4%)	70 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Vic Secret	20 g	60 min	16.3 %
Aroma (end of boil)	Nelson Sauvín	20 g	5 min	11 %
Dry Hop	Vic Secret	50 g	7 day(s)	16.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM54 Gorączka kalifornijska	Ale	Liquid	50 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Flavor	pulpa ananasowa	1500 g	Primary	7 day(s)