

Rocket fuel

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **21**
- SRM **7.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **50.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **29.1 liter(s)**
- Total mash volume **38.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7.5 kg (77.3%)	80 %	5
Grain	Cookie	2.2 kg (22.7%)	70 %	50

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Mosaic	8 g	10 min	10 %
Aroma (end of boil)	Citra	32 g	10 min	12 %
Aroma (end of boil)	Cascade	37 g	10 min	6 %
Aroma (end of boil)	Citra	8 g	10 min	12 %
Aroma (end of boil)	Citra	20 g	10 min	12 %