

Mango apa

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **84**
- SRM **4.2**
- 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 **33 liter(s)**
- Total mash volume **44 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (45.5%)	80 %	5
Grain	Pilzneński	6 kg (54.5%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	50 g	60 min	15.5 %
Boil	Columbus/Tomahawk/Zeus	50 g	25 min	15.5 %
Boil	Citra	50 g	15 min	12 %
Aroma (end of boil)	Citra	50 g	0 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	23 g	---

Extras

Type	Name	Amount	Use for	Time
Flavor	Pulpa mango	3000 g	Secondary	7 day(s)