

PAPA-2

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **33**
- SRM **4.7**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **25.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- 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	Viking Pale Ale malt	2.5 kg (45.5%)	80 %	5
Grain	Viking Pilsner malt	2.5 kg (45.5%)	82 %	4
Grain	Monachijski	0.5 kg (9.1%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula	20 g	45 min	10 %
Boil	Oktawia	20 g	15 min	6.5 %
Boil	Zula	10 g	15 min	10 %
Aroma (end of boil)	Zula	20 g	1 min	10 %
Aroma (end of boil)	Oktawia	20 g	1 min	6.5 %
Aroma (end of boil)	Zula	20 g	0 min	10 %
Aroma (end of boil)	Oktawia	30 g	0 min	6.5 %
Dry Hop	Zula	30 g	7 day(s)	10 %
Dry Hop	Oktawia	30 g	7 day(s)	6.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis