

Apa

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **46**
- SRM **8.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **14.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.7 liter(s)**
- Boil time **40 min**
- Evaporation rate **5 %/h**
- Boil size **18.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Monachijski	4 kg (100%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	20 g	40 min	11.2 %
Boil	Cascade PL	45 g	15 min	6 %
Aroma (end of boil)	Cascade	45 g	0 min	6 %