

APA i Polish HOP's Ejl

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **33**
- SRM **4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **31 liter(s)**
- Trub loss **5 %**
- Size with trub loss **34.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **40.9 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7 kg (87.5%)	80 %	5
Grain	Pszeniczny	1 kg (12.5%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	lunga	45 g	45 min	11 %