

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 % |