

apa

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **24**
- SRM **4.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **27.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **25.9 liter(s)**
- Total mash volume **33.3 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.8 kg (51.4%) | 77 % | 5 |
| Grain | Pszeniczny | 1.7 kg (23%) | 77 % | 4 |
| Grain | Płatki pszeniczne | 0.4 kg (5.4%) | 40 % | 3 |
| Grain | Płatki owsiane | 0.8 kg (10.8%) | 40 % | 3 |
| Grain | Cara-Pils/Dextrine | 0.7 kg (9.5%) | 72 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 30 g | 60 min | 8.8 % |