

Lowalco pale

- Gravity **6.3 BLG**
- ABV **2.4 %**
- IBU **23**
- SRM **4.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **13.8 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **4.5 liter(s)**
- Total mash volume **6 liter(s)**

Steps

- Temp **73 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **4.5 liter(s)** of strike water to **81.8C**
- Add grains
- Keep mash **60 min** at **73C**
- Keep mash **1 min** at **78C**
- Sparge using **10.8 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 1.2 kg (80%) | 80 % | 5 |
| Grain | Karmelowy Jasny 30EBC | 0.3 kg (20%) | 75 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil | Marynka | 10 g | 60 min | 8.7 % |
| Dry Hop | Cascade | 15 g | 3 day(s) | 6.8 % |
| Dry Hop | Simcoe | 15 g | 3 day(s) | 11.7 % |