

Bit Tier

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **27**
- SRM **6**
- Style **Special/Best/Premium Bitter**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **67 C**, Time **80 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **80 min** at **67C**
- Sparge using **18.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 4 kg (61.5%) | 80 % | 5 |
| Grain | Strzegom Wiedeński | 1 kg (15.4%) | 79 % | 10 |
| Grain | Monachijski | 1 kg (15.4%) | 80 % | 16 |
| Grain | Karmel 30 | 0.5 kg (7.7%) | 75 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 10 g | 60 min | 10 % |
| Boil | Calista | 40 g | 60 min | 3.9 % |
| Boil | Calista | 30 g | 10 min | 3.9 % |
| Boil | Calista | 30 g | 1 min | 3.9 % |