

Golden Pils

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **24**
- SRM **4.8**
- Style **German Pilsner (Pils)**

Batch size

- Expected quantity of finished beer **22.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.7 liter(s)**

Mash information

- Mash efficiency **77 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|------------|-------|-----|
| Grain | Pilzneński | 3 kg (60%) | 80 % | 4 |
| Grain | Viking Golden ale | 2 kg (40%) | 80 % | 14 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|--------|------------|
| Boil | Magnat | 15 g | 18 min | 13.6 % |
| Boil | Magnum | 15 g | 12 min | 12.7 % |
| Aroma (end of boil) | Citra | 15 g | 6 min | 12.5 % |