

## golden ale ukrainian

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **27**
- SRM **4.7**
- Style **Blonde Ale**

### Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20.3 liter(s)**
- Total mash volume **26.1 liter(s)**

### Steps

- Temp **68 C**, Time **68 min**
- Temp **76 C**, Time **10 min**

### Mash step by step

- Heat up **20.3 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **68 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **8.3 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Pilzneński           | 5 kg (86.2%)  | 81 %  | 4   |
| Grain | Strzegom Wiedeński   | 0.5 kg (8.6%) | 79 %  | 10  |
| Grain | Weyermann - Carapils | 0.3 kg (5.2%) | 78 %  | 4   |

### Hops

| Use for             | Name               | Amount | Time   | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil                | East Kent Goldings | 30 g   | 60 min | 5.1 %      |
| Aroma (end of boil) | cascade            | 30 g   | 3 min  | 8 %        |
| Aroma (end of boil) | Galaxy             | 40 g   | 3 min  | 15 %       |

### Yeasts

| Name                      | Type | Form   | Amount  | Laboratory       |
|---------------------------|------|--------|---------|------------------|
| FM13 Irlandzkie Ciemności | Ale  | Liquid | 1000 ml | Fermentum Mobile |

### Extras

| Type   | Name     | Amount | Use for | Time  |
|--------|----------|--------|---------|-------|
| Fining | Whirfloc | 5 g    | Boil    | 5 min |

|        |                 |      |      |       |
|--------|-----------------|------|------|-------|
| Flavor | Kolendra        | 10 g | Boil | 5 min |
| Flavor | trawa cytrynowa | 20 g | Boil | 5 min |