

## 12plato ciszy

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **35**
- SRM **3.7**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **34.2 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

### Steps

- Temp **64 C**, Time **10 min**
- Temp **72 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **21 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **10 min** at **64C**
- Keep mash **60 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **20.2 liter(s)** of **76C** water or to achieve **34.2 liter(s)** of wort

### Fermentables

| Type  | Name                                   | Amount         | Yield  | EBC |
|-------|----------------------------------------|----------------|--------|-----|
| Grain | Simpsons - Golden Promise              | 1.8 kg (25.7%) | 81 %   | 4   |
| Grain | BESTMALZ - Best Heidelberg             | 5 kg (71.4%)   | 80.5 % | 3   |
| Grain | Monachijski typ II 20-25 EBC Weyermann | 0.2 kg (2.9%)  | 80 %   | 20  |

### Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Mash                | Saaz (Czech Republic) | 20 g   | 60 min | 2.9 %      |
| Boil                | Marynka               | 35 g   | 60 min | 10 %       |
| Boil                | Saaz (Czech Republic) | 40 g   | 20 min | 2.9 %      |
| Aroma (end of boil) | Saaz (Czech Republic) | 40 g   | 1 min  | 2.9 %      |

### Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|                        |       |        |       |                  |
|------------------------|-------|--------|-------|------------------|
| FM30 Bohemska rapsodia | Lager | Liquid | 35 ml | Fermentum Mobile |
|------------------------|-------|--------|-------|------------------|