

## Z Herbata

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- Gravity **11.2 BLG**
- ABV ---
- IBU **38**
- SRM **3.8**
- Style **Spice, Herb, or Vegetable Beer**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.9 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

### Steps

- Temp **67 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **12 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **40 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **16.9 liter(s)** of **76C** water or to achieve **24.9 liter(s)** of wort

### Fermentables

| Type  | Name        | Amount      | Yield | EBC |
|-------|-------------|-------------|-------|-----|
| Grain | Pilznieński | 4 kg (100%) | 81 %  | 4   |

### Hops

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

### Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US-05 | Ale  | Dry  | 11 g   | Fermentis  |

### Extras

| Type | Name            | Amount | Use for   | Time     |
|------|-----------------|--------|-----------|----------|
| Herb | Herbata zielona | 140 g  | Secondary | 7 day(s) |