

## Wiśniowe(owocowe)

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **11**
- SRM **3.5**
- Style **Fruit Beer**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **80 min**
- Evaporation rate **5 %/h**
- Boil size **29.4 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Steps

- Temp **67 C**, Time **90 min**

### Mash step by step

- Heat up **16.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **90 min** at **67C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **29.4 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Pilzneński           | 3 kg (54.5%)  | 81 %  | 4   |
| Grain | Pszeniczny           | 2 kg (36.4%)  | 85 %  | 4   |
| Grain | Weyermann - Carapils | 0.5 kg (9.1%) | 78 %  | 4   |

### Hops

| Use for             | Name     | Amount | Time   | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil                | Amarillo | 10 g   | 60 min | 9.5 %      |
| Boil                | Amarillo | 5 g    | 15 min | 9.5 %      |
| Aroma (end of boil) | Amarillo | 10 g   | 0 min  | 9.5 %      |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-33 | Ale  | Dry  | 10 g   | Danstar    |

### Extras

| Type   | Name    | Amount | Use for | Time     |
|--------|---------|--------|---------|----------|
| Fining | Mech    | 10 g   | Boil    | 15 min   |
| Flavor | Wiśnie  | 1500 g | Primary | 7 day(s) |
| Flavor | Borówki | 500 g  | Primary | 7 day(s) |

|        |        |        |         |          |
|--------|--------|--------|---------|----------|
| Flavor | Maliny | 1000 g | Primary | 7 day(s) |
|--------|--------|--------|---------|----------|