

## 6#OATMEAL STOUT Wiśnia Borówka Wanilia

- Gravity **20.5 BLG**
- ABV **9 %**
- IBU **31**
- SRM **46.1**
- Style **Oatmeal Stout**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **15.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **1.9 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

### Fermentables

| Type  | Name                      | Amount         | Yield  | EBC |
|-------|---------------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt      | 3 kg (62.5%)   | 80 %   | 5   |
| Grain | Płatki owsiane            | 0.5 kg (10.4%) | 60 %   | 3   |
| Grain | Strzegom Karmel 150       | 0.5 kg (10.4%) | 75 %   | 150 |
| Grain | Viking Czekoladowy ciemny | 0.25 kg (5.2%) | 67 %   | 900 |
| Grain | Jęczmień palony           | 0.25 kg (5.2%) | 55 %   | 985 |
| Sugar | Milk Sugar (Lactose)      | 0.3 kg (6.3%)  | 76.1 % | 0   |

### Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 20 g   | 60 min | 10 %       |

### Yeasts

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

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |         |       |         |          |
|--------|---------|-------|---------|----------|
| Flavor | Borówki | 800 g | Primary | 8 day(s) |
| Flavor | Wiśnie  | 800 g | Primary | 8 day(s) |
| Flavor | Wanilia | 5 g   | Primary | 8 day(s) |