

# Vanilla Bourbon Stout

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **25**
- SRM **27**
- Style **Oatmeal Stout**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **10 %**
- Size with trub loss **26.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **5.4 liter(s) / kg**
- Mash size **30.8 liter(s)**
- Total mash volume **36.5 liter(s)**

## Steps

- Temp **50 C**, Time **10 min**
- Temp **65 C**, Time **60 min**

## Mash step by step

- Heat up **30.8 liter(s)** of strike water to **52.8C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **60 min** at **65C**
- Sparge using **3.9 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

| Type  | Name                               | Amount         | Yield | EBC  |
|-------|------------------------------------|----------------|-------|------|
| Grain | Pale Ale - Viking Malt             | 4.5 kg (78.9%) | 82 %  | 6    |
| Grain | Płatki Owsiane                     | 0.5 kg (8.8%)  | 85 %  | 3    |
| Grain | Caraaroma - Weyermann              | 0.1 kg (1.8%)  | 82 %  | 350  |
| Grain | Kawowy Jasny - Castle Malting      | 0.2 kg (3.5%)  | 80 %  | 250  |
| Grain | Pszeniczny czekoladowy - Weyermann | 0.2 kg (3.5%)  | 80 %  | 1000 |
| Grain | Carafa Specjal typ III - Weyermann | 0.2 kg (3.5%)  | 80 %  | 1400 |

## Hops

| Use for | Name         | Amount | Time   | Alpha acid |
|---------|--------------|--------|--------|------------|
| Boil    | Styrian Wolf | 20 g   | 60 min | 13.7 %     |

## Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 400 ml | Fermentis  |

## Extras

| Type   | Name                                        | Amount | Use for   | Time     |
|--------|---------------------------------------------|--------|-----------|----------|
| Spice  | Laski wanili (2 szt.)                       | 14 g   | Secondary | 7 day(s) |
| Flavor | Płatki dębowe amerykańskie mocno przypalone | 50 g   | Secondary | 7 day(s) |