

# BIAB - Sweet Stout (Wheat) 2020

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **21**
- SRM **25**
- Style **Sweet Stout**

## Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **18 %**
- Size with trub loss **13 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **18 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.9 liter(s)**
- Total mash volume **13.2 liter(s)**

## Steps

- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **20 min**
- Temp **80 C**, Time **1 min**

## Mash step by step

- Heat up **9.9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **20 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **80C**
- Sparge using **11.4 liter(s)** of **76C** water or to achieve **18 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount         | Yield | EBC  |
|-------|-----------------------------|----------------|-------|------|
| Grain | Weyermann - Pale Ale        | 3 kg (90.6%)   | 80 %  | 7    |
| Grain | Weyermann - Chocolate Wheat | 0.25 kg (7.6%) | 74 %  | 788  |
| Grain | Weyermann - Palony Jęczmień | 0.06 kg (1.8%) | 80 %  | 1150 |

## Hops

| Use for | Name               | Amount | Time   | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil    | Magnum (2020 - PL) | 10 g   | 60 min | 12.7 %     |

## Yeasts

| Name                     | Type | Form | Amount | Laboratory |
|--------------------------|------|------|--------|------------|
| Gozdawa - Porter & Kvass | Ale  | Dry  | 11.5 g | Gozdawa    |

## Extras

| Type  | Name | Amount  | Use for | Time   |
|-------|------|---------|---------|--------|
| Other | Woda | 20000 g | Mash    | 41 min |

|  |                  |       |           |          |
|--|------------------|-------|-----------|----------|
| Fining   | Whirlfloc T      | 1 g   | Boil      | 1 min    |
| Flavor   | Ksylitol         | 150 g | Boil      | 5 min    |
| Flavor   | Laktoza          | 250 g | Boil      | 5 min    |
| Flavor   | Kawa             | 125 g | Boil      | 5 min    |
| Bellarom Barista Columbia mielona - Lidl                         |                  |       |           |          |
| Flavor   | Kakao            | 100 g | Boil      | 5 min    |
| Beldake kako o obniżonej zawartości tłuszczu extra ciemne - Lidl |                  |       |           |          |
| Flavor   | Mleczko kokosowe | 500 g | Secondary | 7 day(s) |
| Dodane pod koniec burzliwej, Real Thai mleczko kokosowe - Lidl.  |                  |       |           |          |